















MANHATTAN  
COLLEGE

NEW YORK CITY



CATALOGUE

1896-97



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THE COLLEGE AS SEEN FROM THE BOULEVARD

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UNIVERSITY OF THE STATE OF NEW YORK

# MANHATTAN COLLEGE

GRAND BOULEVARD AND 131ST STREET

NEW YORK

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CONDUCTED BY

THE BROTHERS OF THE CHRISTIAN SCHOOLS

1896-97

# OFFICERS OF THE COLLEGE

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REV. BROTHER JAMES

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TREASURER

## CALENDAR FOR 1897-98.

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1897.

- September 7—Tuesday—Entrance Examinations.  
September 8—Wednesday—Class Exercises begin.  
September 10—Friday—Mass of Invocation.  
September 27—Monday—College Societies reorganize.  
October 4—Monday—Weekly Elocution Classes begin.  
October 14—Wednesday—Fall Games ; holiday.  
October 18—Monday to Wednesday (incl.), Annual Retreat.  
October 20—Subject of Essay for Alumni Prize announced.  
October 29—Wednesday—Inauguration of the Alumni Winter Course of Lectures.  
November 1—Monday—Feast of All Saints ; holiday.  
November 2—Tuesday—All Souls' Day.  
November 25—Thursday—Thanksgiving Day. Literary Exercises, Freshman Class.  
December 8—Wednesday—Feast of the Immaculate Conception ; holiday.  
December 23—Tuesday—Seniors' Day.  
December 24—Christmas Recess begins.


1898.

- January 4—Monday—Christmas Recess ends.  
January 12—Winter Course of Lectures resumed.  
February 1—Tuesday—Second College Term begins.  
February 12—Saturday—Lincoln's Day—Juniors' Day.  
February 22—Washington's Birthday—First Elocution Contest, Collegiate Department.  
March 17—Thursday—St. Patrick's Day ; holiday. Sophomores' Day.  
April 9—Easter Recess begins.

April	14—Thursday—Class Exercises resumed.
May	4—Wednesday—Feast of the Blessed De La Salle. Oratorical Contest, Collegiate Department.
May	19—Thursday—Ascension Day ; Holiday.
May	30—Monday—Decoration Day ; Memorial Services for the Deceased Alumni ; Prize Speaking, Academic Department.
June	7—Tuesday—Prize Examinations begin.
June	20—Monday—Reading of Theses for Degrees.
June	27—Monday—Prizes for Undergraduates.
June	28—Tuesday—Commencement Day.

# MANHATTAN COLLEGE.

## GENERAL STATEMENT.

ANHATTAN COLLEGE was opened in 1849 as an academy for young men desiring advanced instruction. From its location in Canal street, it was transferred in 1853 to its present site on the Grand Boulevard. It was then known as the Academy of the Holy Name, and it was only some years later that the present title was adopted. In 1863 the Institution was incorporated as a College by the Regents of the University of the State of New York, with power to confer the usual academic degrees.

**COURSES.** The College offers two departments of study, each comprising several courses leading to degrees. The object of this Institution is to afford the student means of receiving the highest grade of liberal training. It aims at forming the Christian gentleman and good citizen, while at the same time, the several courses of study afford the necessary preparation for the various walks of life. The College is situated within easy reach of the public libraries of the city, the art galleries and the various collections in zoölogy and geology.

**ARTS.** The Department of Arts offers two courses—the Classical and the Latin-Science. These two courses lead to the degree of Bachelor of Arts. The conditions governing admission, together with the special studies required for each course, will be found under their proper headings in the catalogue.

**SCIENCE.** The courses in the Science Department are four in number, viz.: Civil Engineering, Electrical Engineering, Architecture and the English-Science course. The training in this department is of a technical character, and the studies lead to the degree of Bachelor of Science in the respective courses.

**METHODS.** The methods in use are those generally adopted in institutions directed by the Brothers of the Christian schools. They are the fruit of years of observation, comparison and trial, improved and extended by experience.

Care is taken that every branch prescribed be thoroughly studied, and that nothing be learned merely by rote. With this view the students discuss the subject-matter of each lesson in class independently of the language of the text-book, criticise one another's work and give free expression to their opinion on all points open to debate. They thus acquire ideas instead of mere words, they digest what they learn, and develop thoughtfulness, self-reliance and facility of expression.

Since the vernacular language and literature constitute an essential feature of a sound education, special attention is given to their study, and no effort is omitted to make the students proficient in speaking and writing the English language.

The great importance of science subjects in a system of instruction which aims at being in accordance with the trend of modern ideas has been carefully kept in view. The program embraces the leading requirements in Physics, Chemistry, Geology and Physiology, a fair knowledge of which subjects is considered essential to a liberal education.

In the interest of students who intend to embrace the teaching profession, a course in Pedagogy and the History of Education has been added to the Arts course. Facilities are offered for acquiring a good knowledge not only of the science of Pedagogy, but also of the art of teaching. The work done in this course will receive full recognition from the Department of Public Instruction.

Besides the college proper, there is an Academic Department. The course requires four years and prepares the student for the Freshman class. The grade of work is that of the ordinary high school, requiring for admission a well-grounded grammar course. From this department the student may enter either of the college courses; or if unable to devote sufficient time to academic subjects, may enter the Commercial course.

The Commercial course provides for the wants of young men who intend to engage in mercantile pursuits. All the subjects that are considered necessary for a comprehensive modern business training are included in the program, to which are added courses of general instruction in Mathematics and Natural Science.

Younger students who desire to prepare for the Academic Department and thereby for the College proper, are received into the Preparatory Department. The studies cover the matter usually taught in the best grade grammar schools. Pupils are received in this department from the age of eight years, and are entirely separated from the other students, having separate study hall, dining-room, and recreation-room.

The College being conducted by a religious body, it is hardly necessary to say that every attention is bestowed on the moral and religious training of the student. Christian doctrine is taught in all the classes of the Collegiate, Academic and Commercial Departments. Regular attendance to religious duties is required of all students. Whilst the College is Catholic in its tone and teaching, non-Catholic students are received ; but, for the requirements of discipline, they are expected to conform to the general regulations of the College. For discipline the College authorities rely on moral influence and advice to secure that propriety of conduct and diligence in study which should ever characterize the young Catholic gentleman.

The session begins on the first Tuesday in September and ends about the last Friday in June. It is divided into two terms, beginning respectively on the first Tuesday in September and on the first day of February.

Students may attend either as Day Scholars or reside in the College, subject to regulations necessary for the maintenance of good order and discipline.

The daily class-session opens at 8.30 A. M. and ends at 3.30 P. M. A recess of one hour and a quarter is taken towards noon. Punctual attendance is required of all students.

The Library contains nearly 10,000 volumes, and additions are regularly made to keep the general reference section abreast of modern development. It is open from 8 A.M. to 9 P.M., and the students are permitted free access to its shelves. The best current periodicals are received and placed on file.

The College Museum contains a large collection of typical minerals, an extensive cabinet of zoölogy and conchology and a herbarium of the flora of the vicinity.

The geological collection contains a large number of specimens that will repay close study. The laboratories of Chemistry and Physics afford the student ample opportunities to examine for himself the principles explained in the lecture-room.

The course of studies adopted by the institutions affiliated to Manhattan College is almost identical with that pursued  
AFFILIATED  
INSTITUTIONS. by the Academic Department of the College, and thus offers to students graduating from them the privilege of entering the College without further examination. Students from these institutions who desire advanced standing must satisfy the Board of Examiners that their previous studies qualify them for the class which they desire to enter.

MANHATTAN COLLEGE COMPRISES :

1. THE COLLEGE PROPER, consisting of:

*a.* THE ARTS DEPARTMENT.

*b.* THE SCIENCE DEPARTMENT.

2. THE ACADEMIC DEPARTMENT.

3. THE COMMERCIAL DEPARTMENT.

4. THE PREPARATORY SCHOOL.

5. THE AFFILIATED INSTITUTIONS :

DE LA SALLE INSTITUTE, New York City.

LA SALLE ACADEMY, New York City.

LA SALLE INSTITUTE, Troy, N. Y.

CHRISTIAN BROTHERS' ACADEMY, Albany, N. Y.

LA SALLE ACADEMY, Providence, R. I.

SACRED HEART ACADEMY, Westchester, N. Y.

ST. JOSEPH'S COLLEGIATE INSTITUTE, Buffalo, N. Y.

ST. JOSEPH'S HIGH SCHOOL, Manchester, N. H.

## PRIZES.

1. The Alumni of Manhattan College offer yearly a purse of Fifty Dollars for the best English essay. This prize is open to the students of the Senior class, and the subject for the essay is announced at the beginning of October each year.

2. THE MILMO-MCGOWAN MEDAL for Religious Instruction, founded by Mrs. B. McGowan, in memory of her son, Michael J. McGowan, '69, is open to all the students of the College classes. The examination takes place in June.

3. THE KELLY MEDAL for Philosophy, open to the students of the Senior class, was founded by the late Mr. Eugene Kelly of New York City. The conditions governing this medal are announced in the course of each year towards the opening of the second term.

4. THE GRADY MEMORIAL MEDAL for Oratory was founded by the Alumni Society in honor of their president, Rev. John M. Grady, '69. Two contests are held for this medal: the preliminary, on Washington's Birthday, open to all the students of the College classes; the final, held on May 4th, open to those competitors who receive the highest mark in the first contest.

5. THE DEVLIN MEDAL for Classics, founded by Mr. Charles E. Miller, of New York City, in honor of his friend and partner, Mr. John E. Devlin, is offered in competition to the students of the College classes. The special matter forming the subject of examination is announced each year, towards the end of the second term.

6. THE HOGUET MEDAL for Mathematics, the gift of the late Henry L. Hogue, is offered in competition to all the students of the College classes. This medal is awarded on the merits of a series of papers written during the year.

7. THE DOELGER SCHOLARSHIP, founded by Mr. Peter Doelger, of New York City, is awarded by the President of the College to some deserving student.

In connection with the above, it is the desire of the Faculty to call attention to the conditions necessary to found a scholarship. The amount required for a day student is fifteen hundred dollars and six thousand dollars for a boarder. This gives the founder the right to keep in perpetuity one student at the College. Students enjoying the privilege of a scholarship are expected to keep a satisfactory rank in their respective classes.

8. THE LAVELLE MEDAL for Latin Composition is yearly offered by the Rev. Michael J. Lavelle, LL.D., '73, Rector of St. Patrick's Cathedral, New York City. This prize is open to the students of all the College classes except the Senior class.

The subject is not announced until the students are assembled for the competitive examination. In determining the merits of the papers, not only grammatical and idiomatic correctness of the essay is taken into account, but also its excellence from a literary standpoint.

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## FEES.

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Board, Tuition, Physician's Fee, Washing, per session of ten months, . . . . .	\$350 00
Use of Library, . . . . .	2 00
Day Students ; Collegiate and Commercial Departments, . . . . .	100 00
" Academic Department, . . . . .	75 00
" Dinner at College, . . . . .	60 00
Vacation at College, . . . . .	50 00
Use of Laboratory and Apparatus, Scientific Department, . . . . .	10 00
Use of Typewriter, . . . . .	10 00
Music : Piano, \$80. Other Instruments, \$50.	
Graduation Fee, . . . . .	10 00
Certificate Fee, . . . . .	5 00

Payment of the Half Session of five months is required in advance.

No student can remain in the College whose bill is not paid within thirty days of entrance.

Remittances from outside New York City are to be made by draft or by post-office order.

No money will be advanced to students for clothing or other incidentals unless a sufficient sum be deposited with the Treasurer to meet such expenses.

The pocket money of the students may be deposited with the Treasurer.

## ARTS DEPARTMENT.

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This Department offers two courses :

1. THE CLASSICAL COURSE.
  2. THE LATIN-SCIENCE COURSE.
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Each course extends over a period of four years.

For conditions of admission to these courses see below.

The Classical course requires both Latin and Greek.

While the Classics receive special attention in these courses, English and Mathematics are carefully cultivated. The Natural Sciences studied include Chemistry, Physiology, Physics and Geology.

Philosophy may be studied in Latin or in English, at the option of the student, but no change from one to the other will be permitted.

In the Latin-Science course the main portion of the program of studies is similar to that of the Classical course.

The student, however, is not required to continue the study of Greek, but may substitute therefor courses in the Sciences and in Mathematics.

Students successfully completing either of these courses receive the degree of Bachelor of Arts.

REQUIREMENTS FOR ADMISSION,  
ARTS DEPARTMENT.

The requirements stated below are those laid down by the Regents of the University of the State of New York.

1.—ENGLISH. All candidates for admission to the Freshman class must pass a written examination in English, and no candidate will be admitted whose knowledge of spelling, punctuation and diction is seriously defective. Questions will be given on the subject-matter of the books named below. The first list consists of works which the candidate is expected to have read carefully; the second, of books to be studied critically from annotated editions, with constant reference to dictionary, rhetoric and grammar. The questions on works of the second list will pertain not only to subject-matter but especially to literary form and logical structure.

List (1), for general reading:

For 1897.—Shakspeare's *As You Like It*; Defoe's *History of the Plague in London*; Irving's *Tales of a Traveller*; Hawthorne's *Twice Told Tales*; Longfellow's *Evangeline*; George Eliot's *Silas Marner*.

For 1898.—Milton's *Paradise Lost*, Books I and II; Pope's *Iliad*, Books I and XII; *Sir Roger de Coverley Papers* in the *Spectator*; Goldsmith's *Vicar of Wakefield*; Coleridge's *Ancient Mariner*; Southey's *Life of Nelson*; Carlyle's *Essay on Burns*; Lowell's *Vision of Sir Launfal*; Hawthorne's *House of the Seven Gables*.

For 1899.—Pope's *Iliad*, Books I and XXII; Dryden's *Palamon and Arcite*; *Sir Roger de Coverley Papers* in the *Spectator*; Goldsmith's *Vicar of Wakefield*; Coleridge's *Ancient Mariner*; DeQuincy's *Flight of a Tartar Tribe*; Cooper's *Last of the Mohicans*.

List (2) for critical study:

For 1897.—Shakspeare's *Merchant of Venice*; Burke's *Speech on Conciliation with America*; Scott's *Marmion*; Macaulay's *Life of Samuel Johnson*.

For 1898.—Shakspeare's *Macbeth*; Burke's *Speech on Conciliation with America*; DeQuincy's *Flight of a Tartar Tribe*; Tennyson's *Princess*.

For 1899.—Shakspeare's *Macbeth*; Milton's *Paradise Lost*; Books I and II; Burke's *Speech on Conciliation with America*; Carlyle's *Essay on Burns*.

2. LATIN.—Grammar, Allen & Greenough's or equivalent, including Prosody. Cæsar, *Gallie War*, Books I–IV. Cicero, six orations. Reading at sight of a short passage of easy Latin prose. Virgil, *Æneid*, Books I–VI. Latin Prose Composition.

3. GREEK.—Grammar, Goodwin's or equivalent, including Prosody. Xenophon, *Anabasis*, Books I–III. Homer, *Iliad*, Books I–III. Greek Prose Composition, Jones' twenty exercises or equivalent.

The principal aim of the examination for entrance to the Classical course is to ascertain whether the student is sufficiently prepared to undertake with profit the higher branches of study rather than to see whether he has read a fixed amount of matter.

4. MATHEMATICS.—Arithmetic, complete, including the Metric System. Algebra, through Quadratics. Geometry, Wentworth's, Books I–V, or equivalent.

5. HISTORY.—Greek History, to the death of Alexander the Great; Roman History, to the accession of Constantine; United States History.

6. GEOGRAPHY.—Historical Geography of Greece, Rome and the United States. Modern Geography.

7. PHYSICS.—Elements of Natural Philosophy.

LATIN-SCIENCE COURSE. The requirements for admission to this course are the same as for the Classical course.

CERTIFICATES. Students from affiliated schools presenting certificates of having satisfactorily completed the course of studies in said schools, will be admitted to the corresponding class in the College without further examination.

Certificates of the Regents of the University of the State of New York may replace the examination for admission, provided they have been issued within the year, or the candidate has a certificate of continued study since their date of issue. The candidate must, however, be examined upon such subjects as are not covered by Regents' certificates.

Candidates who fail in some of the entrance requirements may be permitted to join the Freshman class conditionally, but all such conditions must be removed by the end of the first term of the Freshman year.

Candidates who desire to obtain advanced standing must furnish satisfactory proof of their ability to follow the class which they desire to enter.

## CLASSICAL COURSE.

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### FRESHMAN CLASS.

- LATIN.—Prose Composition (Latin E).  
    Reading. First Term (Latin A).  
              Second Term (Latin D).  
    History. (Latin C.)
- GREEK.—Prose Composition. (Greek D.)  
    Reading. First Term (Greek A).  
              Second Term (Greek B).
- ENGLISH.—Rhetoric. (English A).  
    Selections. (English K).  
    Ancient History. (History A and B).  
    Exercises in Outlining Subjects. (English A).
- PHYSICS.—(Physics B).
- MATHEMATICS.—First Term (Mathematics A).  
              Second term (Mathematics B).
- FRENCH OR GERMAN.
- RELIGIOUS INSTRUCTION.

### SOPHOMORE CLASS.

- LATIN.—Prose Composition. (Latin I.)  
    Reading. First Term (Latin F).  
              Second Term (Latin H).
- GREEK.—Prose Composition. (Greek I.)  
    Reading. First Term (Greek E).  
              Second Term (Greek G).
- ENGLISH.—Literature. (English D and J).  
    Reading Selections to illustrate *Books and Reading*.  
    Essays. (English B.)  
    Modern History. (History C and D).
- NATURAL HISTORY.—Botany.
- ELEMENTARY CHEMISTRY.—(Chemistry A).
- MATHEMATICS.—First Term (Mathematics C and D).  
              Second Term (Mathematics E).
- FRENCH OR GERMAN.
- RELIGIOUS INSTRUCTION.

## CLASSICAL COURSE.

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### JUNIOR CLASS.

- LATIN.—Prose Composition (Latin N).  
    Reading. First Term (Latin J).  
              Second Term (Latin L).  
GREEK.—Prose Composition (Greek M).  
    Reading. First Term (Greek J).  
              Second Term (Greek L).  
ENGLISH.—Oratorical Composition (English C).  
    Reading (English E).  
    Modern History (History E.)  
NATURAL SCIENCE.—Physiology.  
PHYSICS.—(Physics C).  
PHILOSOPHY.—(Philosophy A and B).  
MATHEMATICS.—(Mathematics G).  
FRENCH OR GERMAN.  
EVIDENCES OF RELIGION.

### SENIOR CLASS.

- LATIN.—Prose Composition (Latin S).  
    Reading. First Term (Latin O).  
              Second Term (Latin Q).  
GREEK.—Prose Composition (Greek P).  
    Reading. First Term (Greek N).  
              Second Term (Greek O).  
ENGLISH.—Literature (English E and G).  
    Political Economy (English O).  
    Philosophy of Literature (English N).  
    Philosophy of History (History I).  
PHILOSOPHY.—First Term (Philosophy C, D, F).  
              Second Term (Philosophy E, G, H).  
NATURAL SCIENCE.—First Term (Geology A).  
                      Second Term (Astronomy A).  
FRENCH OR GERMAN.  
EVIDENCES OF RELIGION.  
THESIS.

## LATIN-SCIENCE COURSE.

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### FRESHMAN CLASS.

LATIN.—Prose Composition (Latin E).

Reading. First Term (Latin A).

Second Term (Latin D).

History (Latin C).

ENGLISH.—Rhetoric. (English A).

Selections. (English K).

Ancient History (History A and B).

PHYSICS.—(Physics B).

ELEMENTARY CHEMISTRY.—(Chemistry C).

MATHEMATICS.—First Term (Mathematics A).

Second Term (Mathematics B).

FRENCH OR GERMAN.

RELIGIOUS INSTRUCTION.

### SOPHOMORE CLASS.

LATIN.—Prose Composition (Latin I.)

Reading. First Term (Latin F).

Second Term. (Latin H).

ENGLISH.—Literature (English D and J).

Reading. Selections to illustrate *Books and Reading*.

Modern History (History C and D).

ANALYTICAL CHEMISTRY.—(Chemistry B).

MATHEMATICS.—First Term (Mathematics C and D).

Second Term (Mathematics E).

MECHANICS OF FLUIDS AND SOLIDS.—(Mechanics D).

NATURAL SCIENCE.—Botany.

RELIGIOUS INSTRUCTION.

FRENCH OR GERMAN.

## LATIN-SCIENCE COURSE.

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### JUNIOR CLASS.

LATIN.—Prose Composition (Latin N).

Reading. First Term (Latin J).

Second Term (Latin L).

ENGLISH.—Oratorical Composition (English C).

Reading (English E).

Modern History (History E).

PHILOSOPHY.—(Philosophy A and B).

MATHEMATICS.—First Term (Mathematics F).

Second Term (Mathematics G).

NATURAL SCIENCE.—Physiology.

PHYSICS.—(Physics B).

QUANTITATIVE ANALYSIS (Chemistry D).

FRENCH OR GERMAN.

EVIDENCES OF RELIGION.

### SENIOR CLASS.

LATIN.—Prose Composition (Latin S).

Reading. First Term (Latin O).

Second Term (Latin Q).

ENGLISH.—Literature (English E and G).

Political Economy (English O).

Philosophy of Literature (English N).

Philosophy of History (History I).

PHILOSOPHY.—First Term (Philosophy C, D, F).

Second Term (Philosophy E, G, H).

PHYSICS.—(Physics E).

NATURAL SCIENCE.—First Term (Geology A).

Second Term (Astronomy A).

METALLURGY.—(Chemistry E and F).

EVIDENCES OF RELIGION.

## PEDAGOGY.

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The Pedagogical course in the College embraces Logic, Psychology, History of Education, Principles of Education, Theory and Practice of Teaching.

The regular College work in Logic and Psychology satisfies the requirements of this course ; the examinations in both these subjects are submitted for approval to the Superintendent of Public Instruction.

The Examination in the History of Education and the Principles of Teaching is held under the immediate direction of the State Superintendent.

Upon completing a satisfactory examination in the last named two subjects the candidate receives a license to teach for three years, and if successful experience can be demonstrated at the end of that period, the provisional license may be exchanged for a life certificate to teach.

The candidate must have received the percentage required for a first-grade certificate in the uniform examinations prior to his entrance upon the Pedagogical course.

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The requirements for the first grade uniform examinations under the control of the State Department of New York, are  
**STATE**  
**CERTIFICATE.** as follows: Arithmetic, Algebra, American History, Bookkeeping, Civil Government, English Composition, Ancient History, Drawing, Physics, Geography, Grammar, Methods and School Economy, Physiology and Hygiene, School Law.

For detail of matter required see Syllabus published by the Department of Public Instruction of the State of New York.

**COURSES.** The courses offered to the students in Pedagogy are :

**JUNIOR YEAR.**—Logic.

History of Educational Theories and Institutions.  
Principles of Education.

**SENIOR YEAR.**—Psychology.

Ethics.  
School Management  
Theory and Practice of Teaching.  
Methods of Teaching Various Subjects.

## EXTRACT FROM COLLEGE BY-LAWS.

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Every candidate for admission must present a certificate of good moral character; and, if he come from another institution, a letter of honorable dismissal.

CERTIFICATE.

At the beginning of the first year, each student elects the course which he desires to follow, and no student may afterwards change his course without the permission of the faculty.

ELECTION.

Punctuality at all the exercises is strictly required. Non-attendance at the opening of a course will be counted half an absence, and no student who has exceeded the prescribed limit of absences for a given subject will be entitled to take examination in that subject.

ATTENDANCE.

Examinations are held at Christmas, Easter and June, in all the subjects studied during the intervening period. Special examinations may be held at the option of the Professor.

EXAMINATIONS.

Absence from an examination, unless excused by the Faculty, will be considered a failure.

Should a student fail in one of the prescribed examinations, he may be permitted to take another examination at the opening of the following term, or at such time as may be agreed upon with his Professor; but all such examinations must be supplied before the opening of the following school term.

The names of students who fail to comply with this regulation will be dropped from the class-roll.

A Student of the Senior class failing to receive the percentage necessary for a pass, may, by permission of the Faculty, present himself for examination at the opening of the succeeding school year, and, if successful, may be recommended to receive his degree.

The final standing of each student is determined by his examination results together with the average of his year's marks in each subject.

FINAL  
STANDING.

Every candidate for a degree is required to present a written thesis on a subject connected with his course. The sub-  
**THESIS.** ject selected must be submitted for approval to the Professor of the department to which it belongs, on or before February 1st. Such help and guidance may be offered the candidate as the Professor shall judge right, and the completed thesis shall be handed in for approval on, or before, May 30th.

No thesis shall contain less than two thousand words, unless the reasons adduced are satisfactory. Theses must be typewritten. All approved theses become the property of the College and are placed in charge of the Librarian.

If a student fail to present his thesis, or if the thesis be rejected, he shall not be recommended for his degree.

No degree or other testimonial will be conferred on any student unless the prescribed course of study shall have been  
**DEGREES.** completed, and satisfactory evidence of proficiency in the various subjects shall have been given.

The degree of Bachelor of Arts will be conferred on the successful completion of the Classical or the Latin-Science course.

The degree of Bachelor of Science will be conferred on students who successfully complete the English-Science course, the course in Civil Engineering, Electrical Engineering or Architecture.

At the discretion of the Faculty a certificate of proficiency may  
**CERTIFICATES.** be given to a student who has followed, under the direction of the Faculty, a special course of one or more subjects, and who gives evidence of satisfactory proficiency.

A Certificate is granted to students who satisfactorily complete the Commercial Course as a guarantee of their fitness for mercantile employment.

## SCIENCE DEPARTMENT.

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The courses in Engineering offered by the Science Department of  
**COURSES.** Manhattan College have for object to render young men familiar with the theoretical and practical work required for students who intend to follow some one of the various departments of Engineering. The work is planned to give the student a liberal education, while enabling him, after graduating, to derive immediate profit from the practical experience of his professional career.

The following courses are offered :

- I. CIVIL ENGINEERING.
- II. ELECTRICAL ENGINEERING.
- III. ARCHITECTURE.
- IV. THE ENGLISH-SCIENCE.

These courses cover a period of four years each, and demand a thorough preparation on the part of the student, as tested by the entrance requirements given hereafter.

The course of Civil Engineering comprises Surveying, Road and  
**CIVIL** Railroad Engineering, Bridge Engineering, Hydraul-  
**ENGINEERING.** ics and Water Works, Study of Motors—air, steam  
and electrical.

In the different courses the work is essentially theoretical and practical. The lectures of the class-room are supplemented by practical work in the field and by visits to places of interest in the vicinity.

In the Electrical Engineering course, a large amount of laboratory  
**ELECTRICAL** work is required and is counted as an integral part of  
**ENGINEERING.** the course. Great stress is placed on the mathematics prescribed, so as to enable the young men to grapple successfully with the practical problems that occur in the applications of electricity. Drawing is also extended through the various years of the course, and designs of several types of machines are executed in full detail.

The first years of the Course in Architecture are closely allied to  
**ARCHITECTURE.** those of Civil Engineering. In the second year, however, some of the branches are dropped and are supplied by others more closely connected with architecture. In the last years the work is more of a professional character. The subject of design and construction is studied in detail, and working drawings and esti-

mates made for original structures. The Heating and Ventilation of buildings receive special attention, while the many structures continually in course of erection allow ample facilities for inspection and comparison.

In the English-Science course, Latin and Greek are replaced by advanced French and German. The entrance requirements presuppose a three years' Academic course in these languages. Approved versions of the best ancient classics are read, commented upon and compared with corresponding masterpieces of English literature. A large amount of Mathematics and Science is required of students in this course.

The studies of the four years lead respectively to the degrees of

Bachelor of Science in Civil Engineering,  
Bachelor of Science in Electrical Engineering,  
Bachelor of Science in Architecture,  
Bachelor of Science.

## ADMISSION REQUIREMENTS.

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ADMISSION SUBJECTS. The subjects for admission to the courses in Civil Engineering, Electrical Engineering and Architecture are as follows :

ENGLISH.—Ability to write with ease and correctness a short composition on a given subject, is required of all Applicants.

Candidates must also show a general acquaintance with the works set forth in the requirements for English in the Arts course. (See page 13.)

HISTORY.—The following courses of history may be presented : History of the United States and (a) History of England, or (b) History of France, or (c) History of Greece and Rome.

The following works will serve to show the knowledge expected in History : Montgomery's *History of the United States* ; Kearney's *Compendium of History* ; Allen's *History of the Roman People* ; Oman's *History of Greece*.

MATHEMATICS. *Algebra*—This includes Factors, Fractions, Ratio and Proportion, Progressions—Arithmetical and Geometrical ; Involution and Evolution, Radicals, Equations of the first and second degrees. The matter is equivalent to that covered by Wentworth's *School Algebra*.

*Geometry*—Plane and Solid Geometry, with easy exercises and practical applications. Wentworth's *Plane and Solid Geometry*.

*Trigonometry*—Plane. Use of tables. Solutions of right-angled and oblique-angled triangles. Applications to practical problems.

PHYSICS—A course of general Physics, with laboratory practice. The amount required is about that contained in Avery's *Elements of Natural Philosophy* or Gage's *Elements of Physics*, omitting the more advanced parts in each section.

CHEMISTRY—A course of general Inorganic Chemistry, such as Avery's *Elements of Chemistry*, or some equivalent text-book.

FRENCH OR GERMAN.—Ability to read and translate passages from French or German into English, together with an elementary knowledge of French or German Grammar.

For the ENGLISH-SCIENCE COURSE, the requirements correspond to those given for the Arts Department. Instead of Latin and Greek, however, three years' work in French and German is required.

A certificate of the Regents of the University of the State of New York will be received in lieu of the entrance examination, provided it has been issued within the year, or that the candidate has a certificate of continued study since its date of issue. The candidate will, however, be examined on such branches as are not included in the Regents' certificate.

Students from affiliated institutions, on presentation of certificates testifying to their having satisfactorily completed the course of studies in those institutions, will be admitted without further examination.

Candidates desiring it may divide their examinations into two parts, one to be presented in June and the other in September of the *same* year.

Candidates for advanced standing must pass the examination as stated for entrance, together with the subjects studied by the class up to the period at which they enter, or present satisfactory evidence of their being able to follow the class with advantage.

Students failing in one or more of the entrance subjects may be permitted to join the classes conditionally, but will be expected to satisfy the requirements as soon as possible. All conditions in Mathematics must be satisfied at the end of the first term, and no student will be advanced with his class who has any condition to be complied with at the opening of the following year.

Candidates presenting French at entrance are required to continue it for one year, after which they take German, and *vice versâ*. A fair working knowledge of these languages, rather than an acquaintance with their technicalities, is all that is sought.

## COURSE IN CIVIL ENGINEERING.

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### FIRST YEAR.

ALGEBRA—First Term. (Mathematics B).

TRIGONOMETRY.—Second Term, First Part. (Mathematics D).

PLANE ANALYTICAL GEOMETRY.—Second Term. (Mathematics E).

DESCRIPTIVE GEOMETRY.—Second Term. (Drawing D).

ENGLISH.—(English A and K).

HISTORY.—(History A and B).

PHYSICS.—(Physics B).

SURVEYING.—(Engineering A).

MECHANICAL DRAWING.—(Drawing A and B).

ADVANCED FRENCH OR GERMAN.

RELIGIOUS INSTRUCTION.

SUMMER WORK—Drawing ; Field Work.

### SECOND YEAR.

SOLID ANALYTICAL GEOMETRY—(Mathematics F).

CALCULUS.—(Mathematics G).

QUALITATIVE ANALYSIS.—First Term. (Chemistry B).

GEODESY.—First Term. (Engineering C).

ENGLISH.—(English B, D and J).

ANALYTICAL MECHANICS.—Second Term. (Mechanics D).

ROAD ENGINEERING.—Second Term. (Engineering B).

FOUNDATIONS AND TIMBER STRUCTURES—(Engineering D and E).

STEREOTOMY.—(Drawing C).

FRENCH OR GERMAN.

BUILDING MATERIALS.—Second Term. (Geology C).

RELIGIOUS INSTRUCTION.

SUMMER WORK—Memoir ; Field Work.

## COURSE IN CIVIL ENGINEERING.

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### THIRD YEAR.

- MECHANICS OF MATERIALS.—Second Term. (Mechanics C).  
THEORY OF RAILROAD ENGINEERING.—First Term. (Engineering F).  
MASONRY STRUCTURES.—(Engineering G and Geology C).  
TUNNELLING AND EXCAVATIONS.—Second Term. (Engineering H).  
SEWERS.—Second Term. (Engineering I).  
PHYSICS.—ELECTRICITY.—First Term. (Physics C).  
GRAPHICAL STATICS.—Second Term. (Drawing F).  
GEOLOGY.—First Term. (Geology B).  
THERMODYNAMICS.—Second Term. (Mechanics B).  
DESIGN PROBLEMS.  
THEORY OF THE TRUSS.—Second Term. (Engineering J).  
PHILOSOPHY.—(Philosophy A and B).  
EVIDENCES OF RELIGION.  
SUMMER WORK—Memoir ; Field Work.

### FOURTH YEAR.

- GEODESY.—Second Term. (Astronomy A and B).  
BRIDGES AND BUILDINGS.—(Engineering K).  
RAILROAD ECONOMICS.—Second Term. (Engineering L).  
HYDRAULICS.—Second Term. (Engineering O).  
IRRIGATION AND WATER SUPPLY.—First Term. (Engineering M).  
MOTORS.—(Electricity F).  
RAILROAD ENGINEERING.—Second Term. (Engineering I.).  
METALLURGY.—First Term. (Chemistry E and F).  
INDUSTRIAL APPLICATIONS OF ELECTRICITY.—First Term. (Electricity J).  
CONTRACTS AND SPECIFICATIONS.—Second Term. (Engineering N).  
PHILOSOPHY.  
DESIGN PROBLEMS.  
THESIS.  
EVIDENCES OF RELIGION.

# COURSE IN ELECTRICAL ENGINEERING.

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## FIRST YEAR.

ALGEBRA.—First Term. (Mathematics B).

TRIGONOMETRY.—First Term. (Mathematics D).

PLAIN ANALYTICAL GEOMETRY.—Second Term. (Mathematics E).

DESCRIPTIVE GEOMETRY.—Second Term. (Drawing D).

ENGLISH LITERATURE.—(English A and K)

PHYSICS.—Heat and Light. (Physics B).

MECHANICAL DRAWING.—(Drawing A and B).

ADVANCED FRENCH OR GERMAN.

ELEMENTARY CHEMISTRY.—(Chemistry C).

RELIGIOUS INSTRUCTION.

## SECOND YEAR.

SOLID ANALYTICAL GEOMETRY AND CALCULUS.—(Mathematics E and F).

QUALITATIVE ANALYSIS.—First Term. (Chemistry B).

MECHANICS OF SOLIDS AND LIQUIDS.—Second Term. (Mechanics D).

ELECTRICITY AND MAGNETISM.—(Electricity A).

APPLICATIONS OF ELECTRICITY.—(Electricity C).

ELECTRICAL STUDIES IN PROBLEMS.—(Electricity B).

LABORATORY WORK.

ENGLISH. (English B, D and J).

FRENCH OR GERMAN.

RELIGIOUS INSTRUCTION.

# COURSE IN ELECTRICAL ENGINEERING.

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## THIRD YEAR.

RESISTANCE OF MATERIAL. (Mechanics C).  
APPLIED MECHANICS.  
THERMODYNAMICS OF STEAM ENGINE. (Physics D).  
GRAPHICAL STATICS. (Drawing F).  
ELECTRICAL ENGINEERING : D, E, F, G. (Electricity D.)  
ELECTRO-CHEMISTRY. (Electricity H).  
ELECTRO-MEASUREMENTS. (Electricity E).  
THEORY OF DYNAMOS AND MOTORS. (Electricity F).  
LABORATORY WORK.  
PHILOSOPHY. (Philosophy A and B).  
MECHANICAL DRAWING. Design Problems.  
DESIGN PROBLEMS. (Electricity G).

## FOURTH YEAR.

MACHINERY AND MECHANISM.  
HYDRAULICS. (Engineering O).  
MOTORS.  
DYNAMICS OF MOTORS.  
ELECTRICAL LIGHTING. (Electricity I).  
ELECTRICAL ENGINEERING. (Electricity J).  
ELECTRIC RAILROADS. (Electricity K).  
THEORY OF ALTERNATING CURRENTS.  
LABORATORY WORK. Design Problems.  
PHILOSOPHY.  
THEORY OF VARIABLE CURRENTS.  
ADVANCED THEORY OF ELECTRICITY.  
CONTRACTS AND SPECIFICATIONS. (Engineering N).  
THESIS.  
EVIDENCES OF RELIGION.

## COURSE IN ARCHITECTURE.

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### FIRST YEAR.

ALGEBRA.—First Term. (Mathematics B).  
TRIGONOMETRY.—First Term. (Mathematics D).  
ANALYTICAL GEOMETRY.—Second Term. (Mathematics E).  
ENGLISH LITERATURE. (English A and K).  
ELEMENTARY CHEMISTRY. (Chemistry C).  
DESCRIPTIVE GEOMETRY. (Drawing D).  
ELEMENTS OF ARCHITECTURE. (Architecture N and J).  
HISTORY OF ANCIENT ARCHITECTURE AND ORNAMENT. (Architecture B and E).  
SURVEYING. (Engineering A).  
ELEMENTARY DESIGN.  
DRAWING—Freehand and Architectural.  
FRENCH OR GERMAN.  
RELIGIOUS INSTRUCTION.

### SECOND YEAR.

SOLID ANALYTICAL GEOMETRY. (Mathematics E). Calculus.  
(Optional).  
PHYSICS. (Physics B.)  
ANALYTICAL MECHANICS. (Mechanics D).  
ENGLISH LITERATURE. (English B, D and J).  
ELEMENTS OF BUILDING CONSTRUCTION. (Architecture H).  
FOUNDATIONS. (Engineering D).  
HISTORY OF MEDIEVAL ARCHITECTURE AND ORNAMENT. (Architecture C and F).  
BUILDING MATERIALS. (Geology C).  
QUALITATIVE ANALYSIS. (Chemistry B).  
DESIGN PROBLEMS. (Architecture L).  
DRAWING : Freehand.  
PERSPECTIVE—Lectures.  
RELIGIOUS INSTRUCTION.

# COURSE IN ARCHITECTURE.

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## THIRD YEAR.

ARCHITECTURAL ENGINEERING (Architecture K).  
STRENGTH AND RESISTANCE MATERIALS. (Mechanics C).  
DESIGN PROBLEMS IN PLANNING AND CONSTRUCTION.  
HISTORY OF MODERN ARCHITECTURE AND MODERN ORNAMENT.  
(Architecture D and G).  
FREEHAND DRAWING. Sketching.  
HEATING AND VENTILATION. (Architecture M).  
ELECTRICITY AND MAGNETISM. (Physics C).  
GRAPHICAL STATICS. (Drawing F).  
GEOLOGY. (Geology B).  
PHILOSOPHY. (Philosophy A and B).  
EVIDENCES OF RELIGION.

## FOURTH YEAR.

ADVANCED ARCHITECTURAL HISTORY.  
DESIGN AND DECORATION.  
CONTRACTS AND SPECIFICATIONS. (Engineering N).  
METALLURGY. (Chemistry E and F).  
INDUSTRIAL APPLICATION OF ELECTRICITY. (Electricity J).  
MASONRY STRUCTURES. (Engineering A).  
DESIGN PROBLEMS.  
PHILOSOPHY. (Philosophy A and B).  
HISTORY OF ORNAMENT.  
EVIDENCES OF RELIGION.  
THESIS.

## ENGLISH-SCIENCE COURSE.

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### FIRST YEAR.

ENGLISH CLASSICS. (English A and K).

Readings. (English P).

FRENCH. (French D).

GERMAN. (German D).

ANCIENT HISTORY. (History A, B and J).

PHYSICS. (Physics B).

ELEMENTARY CHEMISTRY. (Chemistry A).

RELIGIOUS INSTRUCTION.

MATHEMATICS. First Term (Mathematics A).

Second Term (Mathematics B).

### SECOND YEAR.

ENGLISH; Classics. (English B, D and J).

Readings. (English Q).

FRENCH. (French E).

GERMAN. (German E).

MODERN HISTORY. (History D and K).

NATURAL HISTORY. (Botany).

CHEMISTRY. (Chemistry B).

MATHEMATICS. First Term (Mathematics D).

Second Term (Mathematics E).

MECHANICS OF FLUIDS AND SOLIDS. (Mechanics D).

RELIGIOUS INSTRUCTION.

## ENGLISH-SCIENCE COURSE.

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### THIRD YEAR.

ENGLISH ; Classics. First Term (English C).

Second Term (English E).

Readings. (English R).

HISTORY. (History L).

FRENCH. (French F).

GERMAN. (German F).

PHILOSOPHY. (Philosophy A and B).

NATURAL SCIENCE. Physiology.

PHYSICS. (Physics C).

MATHEMATICS. First Term (Mathematics F).

Second Term (Mathematics G).

QUANTITATIVE ANALYSIS. (Chemistry D).

EVIDENCES OF RELIGION.

### FOURTH YEAR.

ENGLISH ; Classics. First Term (English S).

Second Term (English E and G).

FRENCH. (French G).

GERMAN. (German G).

CIVICS. (History M).

METALLURGY. (Chemistry E and F).

PHILOSOPHY.

POLITICAL ECONOMY. (English O).

NATURAL SCIENCE. First Term (Geology A).

Second Term (Astronomy A).

PHYSICS. (Physics J).

EVIDENCES OF RELIGION.

THESIS.

## BY-LAWS.

For details regarding examinations, punctuality, etc., see Extract of College By-Laws, p. 21.

The following notes refer more especially to students in the Science Department.

EXAMINATION. All drawings forming part of the matter for examination must be handed in at the appointed time, under liability of a deduction of marks.

Absence, without the permission of the faculty, from an examination will be counted a failure to pass the said examination.

Sixty per cent. of the total marks in each subject constitute a pass, and no student will be entitled to a degree unless he has passed satisfactory examinations in all the branches of his course.

VACATION WORK Towards the end of each session subjects for essays and Summer work are assigned to the students. The time for the completion and handing in of these subjects is the first Monday in November for fourth year students, and the first Monday in October for second and third year students.

This work is obligatory on all students, and failure to present it at the specified time renders a student liable to suspension.

FIELD WORK. Every student is required to attend the classes in field work and the visits made during the session to works and places of interest. The field work affords the students ample facilities to become familiar with the uses and handling of the different instruments explained in the lecture-room. The operations cover all the ordinary cases of field work, each student in turn takes control of the work under the direction of the Professor. The work done is carefully plotted and estimates written out as in actual office work. A line of railroad is run by the students of the Senior year and all calculations and drawings are carefully worked out.

The College possesses an equipment of engineer's transits, levels, compasses and all necessary accessories for a full course.

The large number of engineering works continually carried on in New York and vicinity afford the students every opportunity of seeing the applications of the subjects discussed in the class-room, and thereby of giving them actual acquaintance with the methods employed. These works are visited by the classes at intervals, and the students are required to make a report of observations.

In connection with the course of Geology, visits are made to the points of interest in the neighborhood, as also to quarries and mines that lie in the vicinity, and to the extensive collection in the American Museum of Natural History.

A thesis on some topic connected with his special course is required of every student as a necessary part of his final degree examination. All theses must be accompanied by the drawings necessary for illustration. These become the property of the College and are placed in the library of the Institution. For further details see p. 37.

## HIGHER DEGREES.

Bachelors in either Department may obtain the Master's degree by pursuing an approved course of study and giving satisfactory evidence of proficiency and scholarship. If such post-graduate's study is not pursued in the College, the degree will not be conferred until two years after graduation.

Professional study, as such, does not entitle one to the Master's degree, but original research or special and scholarly study, connected with a profession, may, at the discretion of the Faculty, be accepted.

Essays, theses and dissertations, intended for the Master's degree, must be presented at least one month before the end of the academic year.

If a candidate's thesis is approved, he will be informed as to the time when he will be required to meet the Board of Examiners for any further test of his qualifications which they may deem necessary.

The degree of Civil Engineer will be conferred at the end of one year after graduation as Bachelor of Science in Engineering, on conditions similar to those required for the Master's degree, as stated above.

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## COURSES OF STUDY

### FOR THE MASTER'S DEGREE.

#### *For Master of Arts.*

Any one of the following courses :

- I. Moral Philosophy, with written theses, making special application of its principles.
- II. Cicero's Tusculan Disputations, De Naturâ Deorum, and De Officiis, with the History of Ancient Philosophy.
- III. Latin Literature, with translation at sight from any classic author, together with a Latin essay on his work or his age.
- IV. Plato and Aristotle, with the history of the influence of Greek Philosophy on modern thought.
- V. The whole of Thucydides, together with the corresponding portion of the histories of Grote and Curtius; Greek composition.
- VI. Greek Literature, with translations at sight from any classic author, together with a Greek essay on his work or his age.
- VII. Church History. Selections of pregnant periods for research, with essays embodying results of investigation.

VIII. English Literature. Critical analysis of any classic author from the Catholic standpoint.

IX. French Literature, with translations at sight from any classic author, and a French essay on his work or his age.

X. German Literature, with translation at sight from any classic author, and a German essay on his work or his age.

*For Master of Science.*

I. Higher Coördinate Geometry of Two Dimensions ; Coördinate Geometry of Three Dimensions.

II. General Theory of Equations.

III. Higher parts of the Integral Calculus ; Differential Equations ; Calculus of Variations ; Calculus of Quaternions.

IV. Rigid Dynamics.

V. Fourier's Theorem and its Applications.

VI. The Wave Theory treated mathematically or experimentally, or both.

VII. Electric Radiation and the Electro-Magnetic Theory of Light.

VIII. Phenomena of Interference, Diffraction and Polarization.

IX. Spectrum Analysis.

X. The Kinetic Theory of Gases.

XI. Conservation and Dissipation of Energy.

XII. Application of the Doctrine of Energy to the Phenomena of Chemical Combination.

XIII. Fundamental and Derived Units and their Dimensions.

XIV. Higher parts of Static and Dynamic Electricity.

XV. Phenomena of Alternating Currents.

XVI. Astronomical Physics.

XVII. Special studies in Civil Engineering.

XVIII. Special studies in Electrical Engineering.

XIX. Special studies in Architecture.

The above division is merely suggestive, being intended to direct the candidate in the choice of a subject for his Master's thesis. It is expected that the treatment of the subject shall be comprehensive and thorough, and shall embody the result of original thought or of experimental investigation, as the case may require.

Published works of the candidate on the subject selected, articles in reviews or scientific periodicals, or contributions to the transactions of learned societies will receive due consideration from the Board of Examiners.

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# COURSES OF STUDY

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## COURSES OF STUDY.

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### ARCHITECTURE.

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A—DESIGN—Problems applying the Elementary Principles of Design and the Rendering of Architectural Drawing.

B—HISTORY OF ANCIENT ARCHITECTURE—First Year course.

C—HISTORY OF MEDIEVAL ARCHITECTURE—Exercises in Historical Design. Second Year course.

D—HISTORY OF MODERN ARCHITECTURE—Renaissance, Oriental, and American Architecture. Practice in Historical Design. Third Year course.

E—HISTORY OF ANCIENT ORNAMENT—Study of Examples of Assyrian, Egypt, Greek and Roman Art.

F—HISTORY OF MEDIEVAL ORNAMENT—Alternating every other year with course "G."

G—HISTORY OF MODERN ORNAMENT—Alternating every other year with "F."

H—ELEMENTARY BUILDING CONSTRUCTION—The Building and Finishing of Structures in Wood, Brick and Stone. Draughting of Plans and Designs.

J—ORDERS OF ARCHITECTURE—Analysis of the Five Orders of Classic Architecture. Exercises in Drawing and Rendering.

K—ARCHITECTURAL ENGINEERING—Principles of Mechanics, as applied in the use of Building Materials, Building Notes, Lectures on Modern Practice in the Erection of Large Buildings.

L—DESIGN PROBLEMS—Developing the Principles in Planning and Construction. Specifications and Working Drawings.

M—SANITARY SCIENCE—Lectures on Heating and Ventilation. Principles of Hygiene as applied in the Construction of Buildings, Plumbing and Drainage.

N—ELEMENTS OF ARCHITECTURE—Study of Mouldings, Pedestals, Balusters, Arches, Doors, Windows, Roofs, Stairs, etc.

Twelve plates required.

O—ESSAYS ON ARCHITECTURAL TOPICS.

Second and Third Year students.

P—ARCHITECTURAL DESIGN—Advanced Problems in Planning and Composition.

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## ASTRONOMY.

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A—DESCRIPTIVE ASTRONOMY—Phenomena Depending on the Axial and Orbital Motion of the Earth. Kepler's Laws. Phenomena Depending on Change of Place. Dimensions and Cooperation of the Solar System. Tides, Eclipses, Transits.

B—PRACTICAL ASTRONOMY—Construction, Adjustment and Use of the Telescope, Transit and Sextant. Determination of Place and Time.

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## CHEMISTRY.

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A—GENERAL INORGANIC CHEMISTRY—Laws of Chemical Action. Study of the Sources, Properties, Preparation and Uses of the Elements, and their Principal Compounds.

B—QUALITATIVE ANALYSIS—Lectures, Recitations and Laboratory Practice.

C—INORGANIC AND ORGANIC CHEMISTRY—The Study of the Non-Metallic and Metallic Substances; also, some of the Principal Compounds of the Paraffin and Aromatic Series.

G—Course in Photography and in Radiography.

D—QUANTITATIVE ANALYSIS—Short course open to students preparing for Medicine.

E—ASSAYING—Study of Ores and other Metallic Products. Qualitative Tests, Blowpipe Analysis.

F—ASSAYING—Quantitative Assaying. Special and Short Methods of Assaying Ores and Metals.

## DRAWING.

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A—ELEMENTARY MECHANICAL DRAWING—Use of Instrument, Geometrical Problems, Lettering, Plans, Elevations.

B—MECHANICAL DRAWING—Elementary Projections, Intersections, Shades and Shadows. Tinting Drawings, Pen and Ink Sketching, Tracing, Blue Prints.

C—MECHANICAL DRAWING—Stone-Cutting and its Applications to Culverts, Sewers, etc. Perspective.

D—DESCRIPTIVE GEOMETRY—Demonstrations and Execution of Eight Plates. Text-book, Descriptive Geometry (Faunce).

E—MECHANICAL DRAWING—Plots of Survey, Topographical Maps, Contour Maps, Profiles.

F—GRAPHICAL STATICS—Equilibrium Polygons for different loads in Beams and Trusses. Diagram of Shears and Moments in Beams. Applications to Roofs and Trusses.

H—SKETCHING—Drawing in Pencil from Nature and from the Object, Pen and Ink Rendering of Architectural Drawings.

J—SKETCH DESIGN—Problems to be rendered in Sketch Form in limited time; Pen and Ink renderings of Subjects.

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## ELECTRICITY.

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A—LAWS AND PHENOMENA OF ELECTROSTATICS—Influence Machines. Theory and Use of Condensers. The Magnetic Circuit. Theory and Use of the Magnetometer. Determination of the Magnetic Elements. Current Electricity. Primary Batteries. Ohm's Law and its Applications. The Magnetic, Chemical and Terminal Effects of Current. Mutual Action of Conductors Conveying Currents. The Electromagnet. Inductance. The Induction Coil. Thermo-Electric Generators.

B—PROBLEMS RELATING TO THE ENERGY OF CHARGED BODIES—Mutual Action and the Magnetic Movements of Magnets. The Resistance of Conductors and Grouping of Cells. Division of the Current.

C—TELEGRAPHY AND TELEPHONY.

D—ELECTRIC AND MAGNETIC POTENTIAL. Theory of Tangential and Ballistic Galvanism; the Electrodynamometer, Electrometer, Ammeters, Voltmeters, Wattmeters. Methods of Mapping out the Magnetic Field.

H—ELECTRO-CHEMISTRY. Secondary Batteries.

E—MEASUREMENTS OF RESISTANCE, Current, Electromotive Force, Capacity, Inductance, Power, Energy. General Electric Testing.

F—THEORY OF THE DYNAMO, Motor and Transformer. Phenomena of Alternating Currents. Alternating-Current Machines.

J—ELECTRIC LIGHTING. Photometry of Electric Lamps. Electric Welding. Electric Furnace. Electro-Metallurgy.

L—ELECTRIC TRANSMISSION OF POWER; Applications of Power Electrically Transmitted.

G—CONSTRUCTION, DESIGNING AND OPERATING OF DYNAMOS, Transformers, Motors, Alternators.

K—PROBLEMS INVOLVED in the Distribution of Electric Light and in the Transmission of Power.

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## ENGINEERING.

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A—LAND SURVEYING—General Principles. Chain Surveying. Compass and Transit Surveying. Use and Adjustments of Instruments. Laying out and Dividing Land. Direct Leveling, Stadia Theory. Text-book, Gillespie's *Surveying*.

B—ROAD ENGINEERING—Location and Grading of Country Roads. Staking Out of Work. Drainage and Protection Works. Maintenance. Foundations. City Streets. Pavements: Stone, Wood, Asphalt, Brick. Tools and Machinery Employed in Road Construction. Specifications and contracts regarding Roads.

Text-book, Byrne's *Highway Construction*.

C—SURVEYING—Town Work, Topographical Surveys. Hydrographical Surveys. Theory of Mining. Surveying.

D—FOUNDATIONS—Construction of Timber Foundations. Cofferdams of Timber. Open and Pneumatic Caissons. Trestle Foundations. Piles in Foundations, safe loads on. Economical Considerations in Foundations. Estimates of Cost. Bridge Piers. Methods for Deep Foundations.

Text-book, *Foundations*, Patton.

E—TIMBER STRUCTURES—Culverts. Pile Bents. Framed Bents. Bracing Compound Timber Structures. Trestles on Curves. Floor Details. Connection with Embankment, Derailing Devices, Field Engineering and Erection of Trestle, Design and Estimates for a Completed Trestle.

Foster, *Treatise on Modern Trestle Bridges*.

F—RAILROAD SURVEYING—Reconnaissance and Preliminary Surveys. Organization of Work. Simple and Compound Curves. Turnouts. Cross-section Work. Computation of Earthwork.

Text-book, Searle's *Field Engineering*.

G—MASONRY—Study of Cements, Concrete and Masonry, Theoretical Study of Retaining Walls, Principle and Designs of Earth and Masonry Dams of Different Classes, Bridge Abutments, Culverts, Theory of the Masonry Arch, Methods of Failure, Tunnels.

Text-book, *Masonry Construction*, Baker.

H—TUNNELING—Tunnels and Open Cuts, Materials for Lining, Pressure, Process of Tunneling, Locating of Centre Lines, Drainage and Ventilation, Estimates on Quantities and Cost, Rapid Transit.

I—SEWERS—Dimensions and Materials Used, Location, Precautions in Construction, Study of Examples, Estimate of Cost, Surface Drainage in Towns and Cities, Separate and Combined Systems, Capacities of Main and Branches, Grade, Flow and Discharge of Sewers

J—THEORY OF TRUSSES—Truss Elements, Loads and Reactions for Trusses of Various Designs, Influence Lines, and Position of Loads for Maximum Bending Moment. Wheel-Loads and Conventional Systems of Analysis, Stress Strain Diagrams, Secondary Stresses in Trusses, Applications to Highway and Railroad Bridges.

Text-book, *Modern Framed Structures*, Johnson.

K—ROOFS, BRIDGES, AND BUILDINGS—Different Classes of Bridges, Riveted Truss or Lattice Bridges, Pin-connected Bridge, Design of Details for Roofs and Bridges, Floor Systems, Lateral and Transverse Bracing, the Plate Girder in Detail, Swing Bridge, different kinds, End-Lifting Apparatus, Machinery for Operating, Cantilever Struc-

tures, Single and Double Track Trestles or Viaducts in Steel or Timber, Elevated Railroads, Stand-pipes, Complete Designs, with estimate of price for structure and erection.

Text-book, *Modern Framed Structures*. Johnson.

L—RAILROAD ENGINEERING ECONOMICS—General theory of railroad projects. Probable volume of traffic and its probable growth. Effect of alignment on resources and operating expenses. Methods of railroad management.

M—IRRIGATION AND WATER SUPPLY—Drainage areas, rainfall, evaporation. Discharge and volume of flow in streams. Reservoir construction. Dams for storage. Regulators. Distributing system. Velocity of flow and dimensions of canals. Distributing and lateral canals.

N—CONTRACTS AND SPECIFICATIONS—Johnson.

O—HYDRAULICS—Flow of water through orifices and over weirs, Gauging of weirs. Flow of water in canals. Formulæ for discharge of water from locks. Motion of water in pipes. System of pipes. Gauging water in rivers. Backflow. Resistance of water in a river, in a canal Hydraulic motors. Ship railways.

Text-books, Merriman's *Hydraulics*.

P—INSPECTION VISITS—Visits to engineering works and manufacturing establishments. For students in the third and fourth years of the four science courses.

Q—FIELD-WORK—Surveying, First Year students. Compass and transit surveys. Adjustments of instruments. Farm survey. Angle reading, repetition. Azimuth traverse. Work to be plotted and all calculations completed.

R—FIELD-WORK—Leveling. Contour Sketching. Topographical survey. Field-work to be plotted and completed as above.

S—RAILROAD SURVEY.—Reconnoissance and Preliminary Survey. Location of Line. Profile and Cross-section. Computation of Earth Work. About two miles of road are run, and the students make all calculations exacted in the regular routine of office work.

## ENGLISH.

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A—English Composition—Exercises in Constructing Outlines of Subjects. Short Themes : criticism of same in class.

B—Rhetoric—Exercises in Historical Narrative. Criticism of Authors. Argumentative Compositions.

C—Oratorical Compositions. Debates and Theses Requiring Original Research. Essays on Historical and Social Subjects.

D—Science of Rhetoric. Spencer's *Philosophy of Style*. Brother Azarias' *Books and Reading*.

E—Anglo-Saxon Literature. Study of the Poets and Prose Writers of the Anglo-Saxon Period, based on Brother Azarias' *Old English Thought*.

F—Chaucer—Literary study of the Language and Versification of the *Canterbury Tales*. Short study of Chaucer's contemporaries.

G—History of English Language and Literature. Review of the changes the language has undergone and the development of its literature.

H—Shakspeare—Critical reading of *Hamlet*, *Macbeth* or *Julius Cæsar*, with a special study of the rise of the English drama.

Alternates with "K."

I—Drama—Study of the Theory of the Drama and its Development Historically Considered. Dryden's *Laws of Dramatic Composition*.

In alternate years with "L."

J—Nineteenth Century Literature—A short study of the leading American and English Authors of the Present Century.

K—Critical Study of Burke's *French Revolution*. Tennyson's *In Memoriam*, Newman's *Dream of Gerontius*.

In alternate years with "H"

L—The Essayists—General Study of the English Essayists from Bacon to Macaulay. The American Essayists. Critical Study of Emerson's Leading Essays.

In alternate years with "I"

M—The Poets—Critical Study of selected portions from the works of Pope, Browning, Longfellow and Whittier.

N—Philosophy of Literature—A study of this subject based on Brother Azarias' *Philosophy of Literature. Phases of Thought and Criticism*.

O—Political Economy. Lectures.

P—(a) Collins, *Cæsar*; Conington, Virgil's *Aeneid*; Peabody, Cicero's *De Senectute, De Amicitia*; Gladstone, Horace's *Odes*; Wilkins, *Roman Literature*.

(b) Collins, *Xenophon*; Conington, Homer's *Iliad* and *Odyssey*; Collins, *Lucian*.

(c) Readings from Chateaubriand's *Genius of Christianity*, Part II, Books II, III, IV, V.

Q—Classics—(a) Collins, *Pliny*; Collins, *Horace*; Collins *Cicero*.

(b) Francklin, Sophocle's *Oedipus Tyrannus*; Browning, *Æschylus' Prometheus Bound*; Collins, Herodotus.

(c) Readings from Chateaubriand's *Genius of Christianity*, Part II, Books II, III, IV, V.

R—Classics—(a) Gladstone, Horace's *Ars Poetica*; Church and Brodribb, Tacitus *Germania* and *Agricola*; Martin, Catullus' *Poems*.

(b) Way, Euripides' *Hecuba*; Brougham, Demosthenes' *De Corona*; Collins, *Greek Anthology*.

(c) Chateaubriand, *Genius of Christianity*, Selected Readings.

S—Classics—(a) Collins, *Plautus* and *Terence*; Collins, *Juvenal*.

(b) Jowett, Plato's *Apology* and *Crito*; Frere, Aristophanes' *Birds* and *Acharnians*.

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## FRENCH.

A—Elementary grammar and ability to write from memory one of the following selections :

Boucher de Perthes, *La petite mendiante, Le petit Pierre*—Leconte de Lisle, *Trois fils d'or*—Alfred de Musset, *Tristesse, Chanson de Barberine*—La reine Hortense, *Partant pour la Syrie*—Victor Hugo, *La tombe dit à la rose, Conseils à un enfant*—Coppée, *Etoiles filantes*, —Bourget, *Beau soir*—Arnault, *La feuille desséchée, Le colimaçon*.

B—Advanced grammar and ability to translate such works as :

Sand, *La mare au diable*—Maistre, *Voyage autour de ma chambre*—Lamartine, *Graziella*—St. Pierre, *Paul et Virginie*—Beaumarchais, *Barbier de Seville*—Souvestre, *Un philosophe sous les toits*—Saintine, *Picciola*—Feuillet, *Le roman d'un jeune homme pauvre*—Hugo, *Notre Dame de Paris*—Dumas, *Trois mousquetaires*—Halévy,

*L'Abbé Constantin*—Daudet, *La Belle-Nivernaise*, *La dernière classe*, *Le siège de Berlin et d'autres contes*, *Trente ans de Paris*; *Tartarin de Tarascon*.

Prose Composition and ability to write from memory one or more of the following Selections: La Fontaine, *La cigale et la fourmi*, *Le corbeau et le renard*—Alfred de Musset, *Adieu*, *Chanson de Fortunio*, *Les deux routes*—Châteaubriand, *Le montagnard émigré*—Béranger, *Adieux de Marie Stuart*, *Mon habit*—Gautier, *La source*.

C—Advanced grammar and ability to translate selections from:

Corneille, *Le Cid*, *Horace*, *Cinna*, *Polyeucte*—Molière, *Le bourgeois gentilhomme*, *L'avare*, *Le misanthrope*—Racine, *Athalie*, *Esther*, *Andromaque*—Fénelon, *Télémaque*—De Stael, *Corine*.

Prose Composition and ability to write from memory one or more of the following selections: La Fontaine, *Le chêne et le roseau*—Béranger, *Le retour dans la patrie*, *Les souvenirs du peuple*—Delavigne, *La mort de Jeanne d'Arc*—Voltaire, *Massacre de la Saint-Barthélemy*—Rouget de Lisle, *La Marseillaise*—Victor Hugo, *La pauvre fleur*—Lamartine, *Hymne de l'enfant à son réveil*—Dupont, *Les boeufs*—Coppée, *L'écho*.

D—Prose Composition; Selected Modern Authors; Fortier *Histoire de la Littérature française*. Fenelon, *Télémaque*.

E—Prose Composition; Lafontaine, *Fables*; Bossuet, *Histoire Universelle*.

F—Racine, *Esther* and *Athalie*; Corneille, *Le Cid*; Molière, *Le Bourgeois Gentilhomme*.

G—Bossuet, *Oraisons Funebres*.

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## GEOLOGY.

A—Descriptive and Determinative Mineralogy, Physical, Historical and Stratigraphical Geology.

Short Course—Lectures and Practical Work.

B—General Course in Geology—Lectures and Laboratory Work. A more advanced discussion of the subjects treated above.

Required of students in Civil Engineering and Architecture.

C—Economic Geology—Building Stones, Brick, Fire Clay, Ore Deposits, Geology of Soils, Coal—its distribution and occurrence.

For students in Civil Engineering and Architecture.

## GERMAN.

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A—Elementary grammar and ability to write from memory one or more of the following selections: Rückert, *Sinnsprüche*—Goethe, *Heidenröslein*—Uhland, *Der gute Kamerad*, *Der Wirthin Töchterlein*, *Das Schloss am Meere*—Heine, *Die Lorelei*, *Du bist wie eine Blume*—Von Fallersleben, *Vergissmeinnicht*—Volkslieder, *O Strassburg; Du, du, liegst mir am Herzen*.

B—Advanced grammar and ability to translate such works as: Jacob and Wilhelm Grimm, *Kinder- und Hausmärchen*—Andersen, *Bilderbuch ohne Bilder*—Hauff, *Das kalte Herz*—Storm, *Imensee*, *Geschichten aus der Tonne*—Von Hillern, *Höher als die Kirche*—Meissner, *Aus meiner Welt*—Leander, *Träumereien*—Bernhardt, *Noveletten-Bibliothek*—Freitag, *Die Journalisten*—Jensen, *Braune Erica*—Auerbach, *Brigitta*—Fischer, *Die Wandelnde Glocke*.

C—Advanced grammar, and ability to translate selections from: Lessing, *Nathan der Weise*, *Minna von Barnhelm*—Goethe, *Faust* (part 1), *Hermann und Dorothea*, *Wilhelm Meister*—Schiller, *Wallenstein*, *Die Jungfrau von Orleans*, *Wilhelm Tell*, *Maria Stuart*, *Geschichte des dreissig jährigen Kriegs*, Uhland, *Gedichte*.

Prose Composition and ability to write from memory one or more of the following selections:

Goethe, *Der Sänger*, *Gesang der Geister über den Wassern*, *Der Fischer*, *Mignon*—Schiller, *Die Hoffnung*—Heine, *Belsazer*—Körner, *Gebet während der Schlacht*—Hauff, *Reiter's Morgengesang*—Uhland, *Des Sängers' Fluch*—Volkslied, *Der Schnitter Tod*.

D—Prose Composition; Selected Modern Authors; Kluge, *Geschichte der deutschen Nationalliteratur*; Gore, *German Science Reader*.

E—Prose Composition; Classical Drama; Selected Plays with reference to History of German Literature.

F—Reading of extracts treating of subjects in Natural Science.

G—Rapid reading of German Scientific Works.

## GREEK.

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Courses A, B, C and D are required of Freshmen ; B and C being given in alternate years.

Courses E, F, G, H and I are required of Sophomores, E and G being given one year, and F and H the next.

Courses J, K, L and M are intended for Juniors ; only the first two of these alternate. The remaining courses are for Seniors.

A—Lucian, Selections from the *Dialogues* ; Jebb, *Greek Literature*. First Term.

B—Homer, *Odyssey*, Bks. XXI–XXIV. Second Term.

C—Homer, *Iliad*, Bks. IV–VI. Second Term.

D—Prose Composition. Both Terms.

E—Herodotus, *Second Peloponnesian War*. First Term.

F—Thucydides, *Rise of the Athenian Empire*. First Term.

G—Sophocles, *Antigone*, or *Ædipus Rex*. Second Term.

H—Euripides, *Medea*, or *Hecuba*. Second Term.

I—Prose Composition. Both terms.

J—Demosthenes, *Olynthiacs*. First Term.

K—Demosthenes, *Philippics*. First Term.

L—Selections from Lyric Poets. Second Term.

M—Prose Composition. Both terms.

N—Aristophanes, *Clouds*, or *Knights*. First Term.

O—New Testament, Selections. Second Term.

P—Prose Composition. Both Terms.

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## HISTORY.

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A—Ancient History—History of Greece. Its literature is specially dwelt upon in this course.

B—Ancient History—Rome, from the time of the foundation of the city to the Fall of the Western Roman Empire.

C—Mediaeval History—From the Fall of the Western to the Fall of Eastern Roman Empire. The Holy Roman Empire and the Papacy receive special attention.

D—The Renaissance and the Reformation. The principal subjects studied are the Revival of Letters, the Age of Discovery, the Reformation in England, France and Germany, the 'Thirty Years' War, and the Peace of Westphalia.

E—English History—In this course not only is the narrative history of England studied, but also her constitutional and social history receive special attention.

Given in alternate years with "F."

F—French History—This course begins with the establishment of the French monarchy to its downfall at the time of the French Revolution.

G—The Era of the French Revolution—This covers the history of Europe from the time of the meeting of the States-General in France, in 1789, to the Congress of Vienna, in 1815.

Given in alternate years with "C."

H—The history of the Nineteenth Century, beginning with the year 1815—This course treats principally of the restoration of the Bourbons ; the Revolutions of 1830 and 1848 ; the Austro-Prussian war, the Franco-Prussian war, the Unification of Germany and of Italy.

I—The Philosophy of History, based principally on the works of Schlegel and Balmes.

J—Parsons, *Studies in Church History*, vol. I.

Alternates with "E."

K—Parsons, *Studies in Church History*, vol. II.

L—Parsons, *Studies in Church History*, vol. III.

Given in Alternate years with "D."

M—Civics—Alden, *Science of Government*, or equivalent.

## LATIN.

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Courses A, B, C, D and E are required of Freshmen, but A and B are given in alternate years. Courses F, G, H and I are required of Sophomores, F and G being given in alternate years. Courses J, K, L, M and N are required of Juniors; but J and K alternate, as also L and M. The remaining courses are for Senior students, O and P alternating and likewise Q and R.

A—Cicero, *De Senectute*; Virgil, *Georgics*. First Term.

B—Cicero, *De Amicitia*; Virgil, selections from *Æneid*, Books VI–XII. First Term.

C—Wilkins, *Roman Literature Primer*. First Term.

D—Horace, Select *Satires*. Second Term.

E—Prose Composition. Both Terms.

F—Livy, Books I and II. First Term.

G—Livy, Books XXI and XXII. First Term.

H—Horace, Select *Odes*; Prosody. Second Term.

I—Prose Composition. Both Terms

J—Quintilian, *Institutes*, Book X. First Term.

K—Cicero, *De Oratore*, Book I. First Term.

L—Horace, *Ars Poetica*; Tacitus, *Agricola*. Second Term.

M—Selections from Lyric Poets; Tacitus, Selections from the *Histories*. Second Term.

N—Prose Composition. Both Terms.

O—Cicero, *De Finibus*. First Term.

P—Cicero, *Tusculan Disputations*, Book I. First Term.

Q—*Flores Sanctorum Latinæ Ecclesiæ Patrum*. Second Term.

R—Plautus, *Captivi*. Second Term.

S—Prose Composition. Both Terms.

## MATHEMATICS.

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A—SOLID GEOMETRY—Books VI, VII, VIII, IX. Wentworth's *Plane and Solid Geometry*.

B—ALGEBRA—Progressions, Binomial Theorem, Logarithms, Variables and Limits, Series, General Properties of Equations.

Text-book, Wentworth's *College Algebra*.

C—TRIGONOMETRY (Plane)—Application to Problems in Heights and Distances, Surveying, etc.

Text-book, Wentworth's *Trigonometry*.

D—TRIGONOMETRY (Spherical)—Application to Problems in Astronomy.

E—ANALYTICAL GEOMETRY (Plane)—Up to and including Higher Plane Curves.

Text-book, Wentworth's *Analytical Geometry*.

F—ANALYTICAL GEOMETRY (Solid)—Tri Planar and Polar Systems. The Plane, the Straight Line, Surfaces of the Second Order.

G—CALCULUS, Differential and Integral—Applications to Mechanics and Geometry.

Text-book, Bowser's *Differential and Integral Calculus*.

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## MECHANICS.

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A—ANALYTICAL MECHANICS—I. Principles of Statics. II. Principles of Dynamics. III. Principles of Hydrostatics.

The text is supplemented by notes, lectures, solutions and discussion of practical applications and use of apparatus.

B—THERMODYNAMICS—Heat, Steam, Fuel Economy, Engine Construction, Engine Tests, Study of Details, Boiler Construction and Tests.

Lectures supplemented by visits and examinations of machines in actual operation.

C—APPLIED MECHANICS — Resistance and Elasticity of Materials, Cantilever, Simple and Continuous Beams, Columns, Torsion and Shafts, Stresses, Resilience, Tension and Compression, Flexure in Beams, Shear and Torsion, True and Apparent Stresses, Design and Construction of Beams in Wood and Steel, Design of Girders.

Text-book, Merriman's *Mechanics of Materials*.

D—Mechanics of Solids and Liquids—Advanced.

(A knowledge of the Calculus will be required for this course.) Statics of Concurrent and Parallel Forces. Jointed Frames. Graphical Statics. Theory of Couples. Friction. Mass-moments. Theorems of Guldinus. Determination of Centroids. Rectilinear and Parabolic Motion. Work and Energy. Impulsive Forces. Direct and Oblique Impact of Homogeneous Spheres. Circular Motion. Angular Velocity and Acceleration. Simple Harmonic Motion. Motion in a Vertical Curve. The Conical Pendulum. The Ordinary Pendulum. Determination of Moments of Inertia. Theory of Potential. Derived Units and Their Dimensions. Pressure Due to Gravitating Liquids. Centre of Pressure. Equilibrium of Floating Bodies. Determination of Metacenter. General Hydromechanics. The Barometer and its Application to Hypsometry. Compressed Air Manometers. Exhausting and Condensing Air-pumps.

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## PEDAGOGY.

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A—EDUCATION—Object of Education. Importance of Knowledge of Physical Laws. Importance of Knowledge of Mental and Moral Laws. Development of Mental Power.

B—THE TEACHER—His Qualifications, Duties, Responsibility.

C—CLASSIFICATION—General Principles. Classification of standards.

D—REGISTRATION—Advantages. Modes.

E—ORGANIZATION—Arrangement. Distribution. Employment. Subdivision. Specialties.

F—DISCIPLINE—Superintendence. Motives. Code of Regulations. Means thereof. True vs. False Discipline.

G—METHOD—Synthesis and Analysis. Individual vs. Simultaneous System. Mutual. Questioning.

H—METHOD IN READING AND SPELLING.

I—WRITING—Analysis of Written Characters. Classification of Written Characters. General Method in Teaching Penmanship.

J—GEOGRAPHY—General Principles. Lessons on Mountains, Rivers, Productions, Climate, Maps various kinds. Classification, Association, Contrast, Resemblance. Physical, Political and Astronomical Geography. Generalization.

K—HISTORY—Chronology. Causes. Events. Relation to Geography. Ancient. Modern. Institutions, etc.

L—GRAMMAR—Method in Teaching, Lessons on Various Parts of Speech. Lessons in Etymology. Syntax. Sentence Building. Composition. Parsing. Analysis. Paragraphing. Paraphrasing, etc.

M—ARITHMETIC—General Principles. First Lessons in Number. Use of Symbols. Lessons in the Fundamental Rules. Decimal and Fractional Values. Applications of the Various Principles Throughout the Subject. Text-books.

N—EXAMINATION—General Principles. *Uses*, Abuses. Time and Matter.

O—EDUCATORS—Aristotle, Bede, Alcuin, Abelard, Loyola, De La Salle, Rousseau, Pestalozzi, Froebel, Herbart, and the others that occupy a prominent place in the history of education.

The above is an outline of the same subjects treated in the Theory and Practice of Teaching.

All the ordinary branches will be taken up in proper course and treated in an analogous manner.

Books of reference will be mainly *School Management*, by Christian Brothers. *Methodology and Vade Mecum*, Christian Brothers. *Theory and Practice of Teaching*, Page. *White's School Management*.

In the History of Education there will be a study of the times, life and methods of the great educators.

## PHILOSOPHY.

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A—FORMAL LOGIC—The Idea. Errors as to the Nature of Ideas in Modern English and German Philosophy. The Nature of Judgment. The Value of the Syllogism.

B—CRITICAL LOGIC—The Possibility of Certainty. Skepticism. Veracity of the Senses and the Intellect. Idealism vs. Realism. Universals. Authority and Belief.

C—METAPHYSICS—The Aristotelian Transcendentals. Causation. Errors Concerning Causation. Final Causes.

D—COSMOLOGY—Nature, Origin, and Duration of the Universe. Ultimate Constituents of Bodies. Theory of Matter and Form. Laws of Nature. Possibility of Miracles.

E—PSYCHOLOGY—Rational vs. Experimental Psychology: Value of Each. Faculty, Habit and Action. The Life Principle. Vegetative Life. Theory of Sensation. Of Intellection. Association of Ideas. Evolutionism. Heredity. Freedom of Will. Spirituality and Immortality of Man's Soul. Psychology and the Teacher.

F—NATURAL THEOLOGY. Proof of God's Existence and Providence—Deism, Pantheism, Agnosticism, Atheism. Existence of Evil. Preservation of Creatures. Divine Concurrence.

G—GENERAL ETHICS—Nature of a Human Action. Ultimate End of Human Actions. Determinants of Morality. Does the End Justify the Means? Hindrances to the Perfection of a Human Action. The Passions. Habit. Virtue. Vice.

H—SPECIAL ETHICS—I. Man's Rights and Duties as an Individual. Man's Duties to God. Adoration, Love, Obedience. Man's Duties to His Neighbor, as Regards Soul and Body. Man's Duties to Himself, as to Soul and Body. Suicide and Dueling.

II. Man's Rights and Duties as Citizen. The State. Its Constituent Elements. Its Origin, End, Scope and Limits.

III. Common Love of Nations. Peaceful Relations among Nations. War.

IV. Ecclesiastical Society. The Church. Its Origin and Constitution. Its End and Limits. Its Superiority to the State. Its Mission to the Modern World.

I—EXPERIMENTAL PSYCHOLOGY—Elements and General Methods.

J—HISTORY OF PHILOSOPHY—Brief Course.

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## PHYSICS.

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A—GENERAL PHYSICS. First Term, General Study of Matter. Elementary Mechanics, Acoustics and Heat. General Principles and Solution of Problems in Reference to Lectures.

Second Term: Radiant Energy. Electricity and Magnetism. General Principles and Practical Problems.

B—LIGHT. First Term. Nature of Radiation. Velocity and Intensity of Light. Reflection and Refraction of Light. Spectra. Chromatics. Polarization. Study of Optical Instruments.

HEAT—Second Term, Nature of Heat and Temperature. Production and Transference of Heat. Measurement. Relation between Heat and Work.

C—ELECTRICITY. Fundamental Phenomena. General Laws. Distribution. Induction. Condensers. Effects of Discharge. Influence, Machines. Primary Batteries. The Electric Current. Ohm's Law and Applications. Magnetic, Thermal and Chemical Action of the Electric Current. The Electromagnet. Current Induction. Induction by Magnets. The Induction Coil. Continuous Current Dynamo and Motor. The Electric Transmission of Energy. Electric Lighting. Thermo-Electric Currents. Telegraphy. Atmospheric Electricity.

MAGNETISM—Permanent Magnets. The Molecular Theory. Magnetic Induction. The Magnetic Field. The Magnetic Circuit. Comparative Strength of "Fields" and Magnets. Terrestrial Magnetism. The Compass Needle. The Dip Circle. Magnetic Charts.

D—THE STEAM ENGINE. Mechanism of Steam Engines. Rotary and Single-acting Engines, Compound and Multiple Expansion Engines. Details of Construction.

E—ELECTRICAL MEASUREMENTS. Elementary Theory of the Astatic, Tangent and Ballistic Galvanometers. Ammeter and Voltmeter. Wheatstone Bridge. Applications to Measurement of Currents, Electromotive Force, Resistance, Capacity. Determination of the Magnetic Elements.

F—ELECTRICITY. Elementary Theory of Electric and Magnetic Potential. The Mutual Action of Conductors Conveying Currents. The Mutual Action Between Magnets and Conductors Conveying Currents. The Principle of Reversibility; its Application to the Voltaic Cell, Influence Machines, Dynamos, Thermo-electric Generators. Grouping of Cells for Efficient Working. Manipulation of Secondary Batteries. Problems Relating to the Division of the Current.

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ACADEMIC DEPARTMENT

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## ACADEMIC DEPARTMENT.

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The Academic Department offers a course of four years and is intended to prepare the students for entrance to one of the College Departments. The grade of studies corresponds to the preliminary requirements of the Regents of the University of the State of New York for entrance to the Freshman class. Students who show satisfactory acquaintance with the subjects of the First class, are admitted without further examination into the Freshman class.

The most favorable time for entrance is at the beginning of the scholastic year. The regular examinations for admission  
ADMISSION. take place on the first Tuesday in September. Students will, however, be received at any time during the year, but not for a shorter period than five months.

Newly admitted students must present a certificate of good character and, if they come from another institution, a letter of honorable dismissal.

Each student, on being admitted, is examined and classified according to his attainments.

The classes are frequently examined, and students are not allowed  
EXAMINATIONS. to pass from one subject to another until they have given evidence of adequate knowledge of the subject-matter of their previous studies. In the advanced classes the Christmas, Easter and June examinations are conducted in writing. A student who shows by the results of the examinations that he is unable to follow the studies of his class will be placed in a lower grade.

Each week the Director or Inspector takes account of the work done by every pupil in the Department. This report is read before the professors and the students, and is commented upon by the Director.

Summarized reports of the examinations are forwarded to the parents at Christmas, Easter and the end of the session.

It is requested that these reports be carefully examined, as showing the exact standing of the student, and afterwards returned to the Director, with the signature of parent or guardian.

REPORTS.

Percentages are appreciated as follows: From 90 to 100, excellent; from 80 to 90, very good; from 70 to 80, satisfactory.

Any percentage below 70 is to be considered unsatisfactory, and parents are requested to consult with the Director on the measures to be adopted to insure the progress of their sons.

All promotions are based on the results of the several examinations and also on the daily marks. No student will be allowed to pass from one class to another unless he has given satisfactory proof of his ability to follow the higher class. Promotions are generally made at the end of the scholastic year, but a student may be promoted at other times, provided his work, joined to the recommendation of the Professor, shows his fitness therefor.

PROMOTIONS.

A student failing in some of the branches of his class at the final examinations may present himself for further examination at the opening of the next session, and if then successful will be entitled to promotion with his class.

FAILURE IN  
EXAMINATIONS.

The students of the higher classes should devote at least three hours to the preparation of their class-work; those of the lower classes should spend a proportionate amount of time.

HOME STUDY.

The hearty coöperation of parents is requested in the efforts of the faculty to promote the advancement of the students. It is of paramount importance that they place no obstacles in the way of the student's progress, and that they do not excuse them from study for slight or trivial reasons.

Parents are asked to examine the progress and standing of their sons in class, as given in the reports, and they are cordially invited to visit the College as often as possible. Above all things they are urged to lay stress upon punctuality in daily attendance. Every lesson missed or omitted is an injury to the student's progress, and may seriously interfere with the proper understanding of subsequent lessons.

Students are expected to show at all times gentlemanly behavior ;  
**DISCIPLINE.** they must also remember that whatever is opposed to  
such behavior is as much out of place in the school as in  
the family circle.

No student will be retained who is insubordinate or whose society  
might prove undesirable for his companions.

Punctuality, both in arrival at school and in attendance at recita-  
**ATTENDANCE.** tions, is required of every pupil. Only cases of urgency  
should excuse from school, even for half the daily ses-  
sion. A student absent from a recitation is marked " zero," and will  
be required to make good the tasks omitted.

A written excuse from the parents will be required in all cases of  
absence. This excuse will not be accepted in lieu of tasks omitted.

School opens at 8.30 A. M. and closes at 3.30 P. M. At 11.45 A. M.  
an hour and a quarter is allowed for luncheon.

Wednesday and Saturday afternoons are the regular weekly holi-  
days.

Students who live in the College are not allowed to leave the  
**BOARDERS.** grounds without authorization.

Visiting hours for resident students are from one to five on Sun-  
day afternoon.

## ACADEMIC DEPARTMENT.

### FIRST YEAR.

ENGLISH.—Grammar, *Principles of English Grammar*. Christian Brothers.

Reading, English Classics.

Spelling, *Pronouncing Speller*, Christian Brothers.

Composition, Simple Stories and Fables reproduced in pupil's own phraseology.

Elocution, Exercises in Utterance, Inflection, etc.  
Concert and individual recitation of selections made by the Professor.

History, *History of the United States*.

Geography, General Geography.

ARITHMETIC.—*Complete Arithmetic*, Christian Brothers. Exercises in Mental Arithmetic.

LATIN.—*First Latin Book*, Collar & Daniell.

PENMANSHIP.—*Christian Brothers' Series*.

DRAWING.—*Elementary Course in Freehand*, Christian Brothers.

CATECHISM.—*Baltimore Council*.

### SECOND YEAR.

ENGLISH.—Reading, Irving's *Alhambra*; Longfellow's *Evangeline*.  
Grammar, *Principles*, Completed.

History, *History of the United States*, Completed.

Composition, Stories reproduced by pupils, and easy original work.

Elocution, Individual and concert work.

ARITHMETIC.—*Complete Arithmetic*, finished and reviewed.  
Mensuration.

PENMANSHIP.—*Christian Brothers' Series*.

GREEK.<sup>1</sup>—Elements of Grammar.

OR Reading easy selections.

FRENCH OR GERMAN.—First Year's work (see page 66 or 67).

LATIN.—Grammar and Composition.

Cæsar de Bello Gallico, Books I-IV.

DRAWING.—Freehand, sketching easy subjects.

RELIGIOUS INSTRUCTION.—*Deharbe's Catechism No. 2*.

<sup>1</sup> Greek is required of candidates for the Classical Department, but no French or German. French or German is substituted for Greek by candidates for the Scientific Department. Candidates for the English-Science replace Latin and Greek by French and German.

### THIRD YEAR.

ENGLISH.—Grammar, Advanced Course.

Reading, Selected Classics, as required for college entrance.

Composition, Sketches on Selected Topics. Lockwood's *Lessons in English*.

History, England and France.

Geography, *Physical*.

Elocution, Study of Modulation, Expression and Gestures.

ALGEBRA.—*School Algebra*, Wentworth.

LATIN.—Grammar and Prose Composition.

Cicero *In Catilinam*, *Pro Archia*, *Pro Marcello*.

{ GREEK.—Grammar and Prose Composition.

OR Xenophon, *Anabasis*. Books I–III.

{ FRENCH OR GERMAN.—Second Year's Work (see page 66 or 67).

RELIGIOUS INSTRUCTION.

### FOURTH YEAR.

ENGLISH.—Rhetoric, *Lockwood's English*, Completed.

Composition, Short essays, Newspaper reports.

Reading, Classics as required for college entrance.

Elocution, Recitation of prepared selections.

History, Outline of Greece and Rome.

Geography, *Classical*.

MATHEMATICS. — Algebra, Wentworth's *School*, Completed.

Geometry—*Plane and Solid*, Wentworth's.

PHYSICS.—Elementary Course.

Principles of Natural History.

LATIN. — Prose Composition.

Virgil's *Æneid*, Books I–VI. Prosody.

{ GREEK.—Prose Composition.

OR Homer's *Iliad*, Books I–III. Prosody.

{ FRENCH OR GERMAN.—Third Year's work (see page 66 or 67).

RELIGIOUS INSTRUCTION.

## SPECIAL LATIN CLASS.

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Attached to the Academic Department is a special class for young men whose knowledge of the classics disqualifies them for entrance into the Freshman class. In this special Latin class a large portion of the daily session is devoted to Latin and Greek authors. Lessons are given in English Classics also, and in such branches of mathematics or science as may specially benefit the students. As soon as a young man shows by examination that he has made good his deficiencies, he is advanced to the Freshman class and thereafter follows the regular College curriculum.

## ACADEMIC COURSES IN FRENCH.

### FIRST YEAR.

Elementary grammar and ability to write from memory one of the following selections :

Boucher de Perthes, *La petite mendiante*, *Le petit Pierre*—Leconte de Lisle, *Trois fils d'or*—Alfred de Musset, *Tristesse*, *Chanson de Barberine*—La reine Hortense, *Partant pour la Syrie*—Victor Hugo, *La tombe dit à la rose*, *Conseils à un enfant*—Coppée, *Etoiles filantes*, —Bourget, *Beau soir*—Arnault, *La feuille desséchée*, *Le colimaçon*.

### SECOND YEAR.

Advanced grammar and ability to translate such works as :

Sand, *La mare au diable*—Maistre, *Voyage autour de ma chambre*—Lamartine, *Graziella*—St. Pierre, *Paul et Virginie*—Beaumarchais, *Barbier de Seville*—Souvestre, *Un philosophe sous les toits*—Saintine, *Picciola*—Feuillet, *Le roman d'un jeune homme pauvre*—Hugo, *Notre Dame de Paris*—Dumas, *Trois mousquetaires*—Halévy, *L'Abbé Constantin*—Daudet, *La Belle-Nivernaise*, *La dernière classe*, *Le siège de Berlin et d'autres contes*, *Trente ans de Paris*; *Tartarin de Tarascon*.

Prose Composition and ability to write from memory one or more of the following Selections : La Fontaine, *La cigale et la fourmi*, *Le corbeau et le renard*—Alfred de Musset, *Adieu*, *Chanson de Fortunio*, *Les deux routes*—Châteaubriand, *Le montagnard émigré*—Béranger, *Adieux de Marie Stuart*, *Mon habit*—Gautier, *La source*.

### THIRD YEAR.

Advanced grammar and ability to translate selections from :

Corneille, *Le Cid*, *Horace*, *Cinna*, *Polyeucte*—Molière, *Le bourgeois gentilhomme*, *L'avare*, *Le misanthrope*—Racine, *Athalie*, *Esther*, *Andromaque*—Fénelon, *Télémaque*—De Stael, *Corine*.

Prose Composition and ability to write from memory one or more of the following selections : La Fontaine, *Le chêne et le roseau*—Béranger, *Le retour dans la patrie*, *Les souvenirs du peuple*—Delavigne, *La mort de Jeanne d'Arc*—Voltaire, *Massacre de la Saint-Barthélemy*—Rouget de Lisle, *La Marseillaise*—Victor Hugo, *La pauvre fleur*—Lamartine, *Hymne de l'enfant à son réveil*—Dupont, *Les boeufs*—Coppée, *L'écho*.

## ACADEMIC COURSE IN GERMAN.

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### FIRST YEAR.

Elementary grammar and ability to write from memory one or more of the following selections: Rückert, *Sinnsprüche*—Goethe, *Heidenröslein*—Uhland, *Der gute Kamerad*, *Der Wirthin Töchterlein*, *Das Schloss am Meere*—Heine, *Die Lorelei*, *Du bist wie eine Blume*—Von Fallersleben, *Vergissmeinnicht*—Volkslieder, *O Strassburg; Du, du, liegst mir am Herzen*.

### SECOND YEAR.

Advanced grammar and ability to translate such works as: Jacob and Wilhelm Grimm, *Kinder- und Hausmärchen*—Andersen, *Bilderbuch ohne Bilder*—Hauff, *Das kalte Herz*—Storm, *Immensee*, *Geschichten aus der Tonne*—Von Hillern, *Höher als die Kirche*—Meissner, *Aus meiner Welt*—Leander, *Träumereien*—Bernhardt, *Noveletten-Bibliothek*—Freytag, *Die Journalisten*—Jensen, *Braune Erica*—Auerbach, *Brigitta*—Fischer, *Die Wandelnde Glocke*.

### THIRD YEAR.

Advanced grammar, and ability to translate selections from: Lessing, *Nathan der Weise*, *Minna von Barnhelm*—Goethe, *Faust* (part 1), *Hermann und Dorothea*, *Wilhelm Meister*—Schiller, *Wallenstein*, *Die Jungfrau von Orleans*, *Wilhelm Tell*, *Maria Stuart*, *Geschichte des dreissigjährigen Kriegs*, Uhland, *Gedichte*.

Prose Composition and ability to write from memory one or more of the following selections:

Goethe, *Der Sänger*, *Gesang der Geister über den Wassern*, *Der Fischer*, *Mignon*—Schiller, *Die Hoffnung*—Heine, *Belsazer*—Körner, *Gebet während der Schlacht*—Hauff, *Reiter's Morgengesang*—Uhland, *Des Sängers' Fluch*—Volkslied, *Der Schnitter Tod*.



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COMMERCIAL DEPARTMENT.

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## COMMERCIAL DEPARTMENT.

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Students who desire to be prepared for the routine of mercantile life will find every facility for so doing in the Commercial Department. The course may be completed in two or in three years, according to the standing of the student on entering.

As the aim of this Department is not to give the knowledge of those branches only that enter into the every-day work of business life, the studies are so arranged as to afford a good general course of instruction.

English Composition and Letter-Writing receive special attention and the student is required to treat various topics in a manner that will enable him to write with ease and elegance reports on a given topic, circulars and other kindred work. General history is treated in connection with the English Course, and various questions relating to Political Economy and Commercial Law are treated in the classroom, thus affording the student some ideas on the vital questions discussed in every-day life. Weekly lessons are given in the art of public speaking, thus enabling the student to acquire a graceful and easy delivery.

The Mathematics taught include not only a complete course of Commercial Arithmetic, but also an elementary course of Geometry and Algebra.

The courses in Physics and Chemistry are sufficiently extensive to enable the students to follow with interest the various scientific questions and discussions which form so large a part of modern reading.

The students receive a complete course in standard business methods, filling of commercial papers, and banking transactions. They also attend a course in Commercial Law, including mercantile papers, contracts, negotiable papers, the obligations of common carriers, leases, etc.

Phonography and Typewriting are parts of the course, and the student is offered every opportunity in these essential branches of office-work.

Courses of Linear Drawing and Telegraphy are open to students desirous of acquiring a knowledge of these branches.

Students may enter this Department after completing the Third Academic class, provided they give satisfactory evidence of their being able to follow the course.

The rules governing the Commercial Department are similar to those of the Academic Department. Several courses in the College proper are open to students desirous of obtaining a more advanced knowledge of science and mathematics, but proof must be given of sufficient preparation to follow them with advantage.

Students who complete this course receive a certificate as a guarantee of their fitness for mercantile employment.

# COURSE OF STUDIES.

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## COMMERCIAL DEPARTMENT.

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### FIRST CLASS.

ENGLISH—Rhetoric, English Literature.

Reading of English Classics.

Essays on Business Topics.

Elocution, weekly lesson on selected pieces.

History, General: Ancient and Modern.

POLITICAL ECONOMY—Property, Land Tenure, Population, Money, Wages, Capital, Labor, Trades unions, Tariff, Free-trade, Protection; Encyclical of His Holiness, Leo XIII, *On the Condition of Labor*.

MATHEMATICS—Commercial Arithmetic, Reviewed.

Algebra, *School Algebra*, Complete.

Geometry, Plane.

BOOKKEEPING—Practical Business Sets; Banking.

PHOTOGRAPHY—Reporting Style.

CHEMISTRY—Elements of Chemistry.

TYPEWRITING—Commercial and Legal Papers.

RELIGIOUS INSTRUCTION—Schouppe's *Course*.

### SECOND CLASS.

ENGLISH—Dictation Exercises, Practical Grammar.

Exercises in Composition.

Commercial Correspondence.

Elocution, weekly lessons.

History, Modern History.

History of Commerce, with Commercial Geography.

LAW—Commercial Law; Civil Government.

MATHEMATICS—Commercial Arithmetic, Mental and Written.

Algebra, as far as Simultaneous Equations.

Mensuration.

PENMANSHIP—Business and Epistolary Writing.  
BOOKKEEPING—*Complete Bookkeeping*. Christian Brothers.  
PHONOGRAPHY—Corresponding Style.  
PHYSICS—Elements of Physics.  
TYPEWRITING—Fingering ; Letter Writing ; Business Forms.  
RELIGIOUS INSTRUCTION—Schouppe's *Course*.

THIRD CLASS.

ENGLISH—Spelling and Defining, Dictation.  
Grammar.  
Elocution, one hour weekly.  
History, History of the United States.  
Composition, Letter Writing.  
Commercial Geography.  
MATHEMATICS—Commercial Arithmetic, Mental and Written.  
PENMANSHIP—Movement Exercises and the Study of Forms.  
BOOKKEEPING—*Students' Manual* ; Single and Double Entry.  
DRAWING—Freehand Drawing.  
RELIGIOUS INSTRUCTION—Catechism and Bible History.



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COLLEGE SOCIETIES

LECTURE COURSES

CLASS EXERCISES

COMMENCEMENT DAY

LIST OF PRIZES

STUDENTS' ROLL

GRADUATE LIST

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## COLLEGE SOCIETIES.

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### MANHATTAN COLLEGE ALUMNI SOCIETY.

The object of the Society is to keep alive among the Alumni the sentiment of affection for their Alma Mater, and to unite the graduates of successive years by a common tie of fellowship.

Regular meetings are held on Commencement Day, after the graduating exercises, and on the 22d of February.

There are three reunions of the Society each year: at the Alumni Dinner, at the Memorial Mass on Decoration Day, and at the reception of the newly-graduated class on Commencement Day.

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#### OFFICERS.

PRESIDENT,	. . .	DANIEL F. COHALAN, '85.
FIRST VICE-PRESIDENT,		REV. FRANCIS E. HANNIGAN, '79.
SECOND VICE-PRESIDENT,		JOSÉ M. FERRER, M.D., '76.
THIRD VICE-PRESIDENT,		REV. THOMAS J. McCLUSKEY, S.J., '74.
HISTORIAN,	. . .	JAMES J. GRADY, '73.
SECRETARY,	. . .	JOHN A. O'ROURKE, '88.
TREASURER,	. . .	REV. BERNARD F. BRADY, '82.

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### THE APOSTLESHIP OF PRAYER, LEAGUE OF THE SACRED HEART.

The Holy League of the Sacred Heart of Jesus is established among the students with the object of fostering piety and devotion, and of acquiring more thoroughly the true spirit of Christianity.

The Promoters meet frequently, and these meetings, together with the public exercises of the first Friday of the month, constitute the principal exterior functions of the League.

## DE LA SALLE LITERARY UNION.

This Society is confined to the students of the Senior year. The end proposed is the free discussion of questions pertaining to philosophy, which have been suggested, but not fully treated in the classroom. The Professor of Mental Philosophy acts as moderator.

### OFFICERS.

REV. BROTHER CHRYSOSTOM, MODERATOR.  
SAMUEL B. MOORE, PRESIDENT.  
JOHN P. WERNER, VICE-PRESIDENT.  
ALBERT J. KEENAN, TREASURER.  
PETER P. CONATY, SECRETARY.

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## NEWMAN LITERARY UNION.

The members of the Junior class belong to this Society. The exercises, consisting of original essays and debates on literary or other subjects, are held on Friday afternoon. The Professor of English Literature acts as moderator of this Society; the other officers are chosen every three months.

### OFFICERS.

REV. BROTHER VIRGIL, MODERATOR.  
JAMES A. CHANDLER, PRESIDENT.  
RICHARD D. MURPHY, VICE-PRESIDENT.  
MATTHEW L. COX, SECRETARY.  
WILLIAM J. CLEARY, TREASURER.

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## HUGHES LITERARY UNION.

This Society is open to the students of the Sophomore year. Meetings are held at least twice a month, the principal exercises of which are debates on historical and scientific subjects, and on questions of the day, as well as essays on various topics. The Senior Professor of the class acts as Honorary President, and the other officers are elected every two months.

The retiring officers were :

REV. BROTHER AUGUSTINE, HONORARY PRESIDENT.  
WILLIAM M. DWYER, PRESIDENT.  
MICHAEL J. McMICKLE, VICE-PRESIDENT.  
MATTHEW J. DUGGAN, SECRETARY.  
EDWARD A. BIRMINGHAM, TREASURER.

## McCLOSKEY LITERARY UNION.

This Society, composed of the members of the Freshman Class, holds its regular meetings on Friday afternoon. The exercises consist principally of debates on various subjects, to train the students to fluency of speech and readiness in argument. The Moderator is appointed by the President of the College, and the other officers are chosen bi-monthly.

The officers at close of the last scholastic year were:

REV. BROTHER JOHN, MODERATOR.

JOHN J. CURTIN, PRESIDENT.

PATRICK F. MCSORLEY, VICE-PRESIDENT.

JOHN E. LEDDY, TREASURER.

EDWARD A. JOHNSON, SECRETARY.

JOSEPH F. SULLIVAN, ORATOR.

JOHN F. WRIGHT, CRITIC.

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## CORRIGAN LITERARY UNION.

The students of the First Academic Class have formed themselves into a literary society, which they have named after the illustrious Archbishop of New York. They hold regular monthly meetings, and sometimes class exercises, to which the College students are invited.

The officers at close of last term were:

REV. BROTHER ALBERT, MODERATOR.

JOHN J. SLEVIN, PRESIDENT.

RICHARD J. SUGHRUE, VICE-PRESIDENT.

MICHAEL WALSH, SECRETARY.

WILLIAM E. WHITE, TREASURER.

EDWIN M. SINNOTT, CRITIC.

## IRVING LITERARY UNION.

This Society, named after one of New York's first contributors to the annals of American literature, consists mainly of students of the Second Academic Class.

### OFFICERS.

REV. BROTHER PAPHYLINUS, DIRECTOR.  
FREDERICK F. SHEERIN, PRESIDENT.  
JOSEPH P. BYRNES, VICE-PRESIDENT.  
EDMUND F. ADRIAN, SECRETARY.  
JOHN C. McDONNELL, TREASURER.  
DENIS O'L. COHALAN, CRITIC.

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## COMMERCIAL LITERARY SOCIETY.

The Commercial Department has likewise its literary Society. The students hold weekly meetings and discuss subjects pertaining to their future career in life. The Principal of the department acts as Honorary President, while the other officers are chosen quarterly.

The last officers were :

REV. BROTHER AMOS, HONORARY PRESIDENT.  
JOHN C. J. DELANEY, PRESIDENT.  
TIMOTHY F. CROWLEY, VICE-PRESIDENT.  
WALTER S. HAMILTON, SECRETARY.  
MICHAEL F. J. HENRY, TREASURER.

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## COLLEGE ORCHESTRA.

J. WHITFORD BENNETT,	EDWARD V. McGOLDRICK,
BERNARD J. BOLAND,	PETER J. McGOLDRICK,
JOHN H. BYRNES,	GEORGE J. MURPHY,
THOMAS COSTIGAN,	EDMUND S. NUGENT,
CHARLES A. DOYLE,	ROBERT W. POMMERER,
WILLIAM M. DWYER,	JAMES E. TIMON,
JOHN P. HORAN,	LÉON L. VERRY,
JOHN V. McAVOY,	JOHN H. F. WARD.

LEADER, PROF. CHARLES UTSINGER.

LECTURES.

During the session the following Course of Lectures was delivered before the Students by the members of the Alumni Society.

LITERATURE IN GENERAL  
REV. BROTHER VIRGIL

GREEK LITERATURE  
CORNELIUS M. O'LEARY, M. D.

LATIN LITERATURE  
REV. BROTHER CHRYSOSTOM

CELTIC LITERATURE  
REV. DENIS J. MCMAHON, D. D., '76

AMERICAN LITERATURE  
THOMAS F. GALWAY, PH.D., C.H.

FRENCH LITERATURE  
DENIS J. QUINN, LL.B., '86

ITALIAN LITERATURE  
REV. DANIEL C. CUNNION, '80.

SPANISH LITERATURE  
JOSE M. FERNANDEZ, M.D., '75.

ENGLISH LITERATURE  
REV. PATRICK J. MAHONEY, S.T.D., '84.

THREE EVENING LECTURES  
ON  
ELECTRIC AND MAGNETIC PHENOMENA  
BY  
BROTHER POTAMIAN

PROFESSOR OF EXPERIMENTAL PHYSICS

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FIRST LECTURE

1. Experiments with rotating discs to show brief duration of spark discharge.
2. Disruptive, brush and glow forms of discharge as seen in a Wimshurst machine.
3. Glow on a point, glow on the electrical whirl.
4. Spangled tube and jar ; jar with movable coatings ; a word in sparks.
5. Vacuum tube with mercury. Vacuum tubes lit up when near or when connected with a Wimshurst machine.
6. Same tubes used with an induction coil.
7. Same tubes rotated.
8. Crookes's molecular shadow tube ; his railway tube.
9. Pear-shaped X-ray tube ; fluorescence, etc.
10. X-ray focus-tube.
11. Radiographs of a number of invisible objects.

## SECOND LECTURE

1. Spark discharge from a Wimshurst machine projected on screen.
  2. Imitation of "summer lightning."
  3. Franklin's kite experiment, 1752.
  4. Six flashes of lightning.
  5. An artist's flash.
  6. Lord Rayleigh's experiment with water jets.
  7. Dr. William Gilbert (1540-1603) : his old home in Colchester, workshop, monument in Trinity Church.
  8. His "Orbis Virtutis," terella, and dip-needle.
  9. Magnetic field due to a bar-magnet, horse-shoe magnet, dissimilar poles.
  10. Isogonic and isoclinic lines.
  11. Views of medieval and of modern Colchester.
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## THIRD LECTURE

1. Supplementary remarks about the electrical trolley ; the third-rail system ; corrosion of pipes ; Marconi's telegraphy without wires.
2. Some electrical worthies: Faraday, Clerk Maxwell, Crookes, Hertz, Röntgen.
3. Current rotating round a magnet-pole. De la Rive's experiment.
4. Crookes's radiometer.
5. Crookes's high and low pressure bulbs; importance of cathode.
6. Molecular shadows ; deflection of cathodic stream by magnet.
7. Phosphorescence produced by cathodic discharge. Ruby tube ; Puluj tube ; screens for X-ray work.
8. Mechanical displacement due to molecular bombardment ; railway tube ; mill-wheel tube ; electrical radiometer.
9. Heating of aluminium target by convergent cathodic stream.
10. The focus tube ; penetrator tube ; inspection of radiographs (sciagraphs) taken by the lecturer, by Mr. Wimshurst and others.

MANHATTAN COLLEGE

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ELOCUTION CONTEST

BY THE

Students of the Academic Department

IN THE

COLLEGE HALL

WEDNESDAY, DECEMBER 23, 1896

At 2.30 P. M.

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DONORS OF THE GOLD MEDALS

VICTOR J. DOWLING, LL.B.

MR. JAMES J. MCKENNA

JUDGES

REV. JOHN F. WOODS, D.D.

REV. THOMAS F. FLOOD

REV. JAMES E. GOGGINS

MARK F. VALLETTE, Ph.D.

REV. THOMAS J. HEAFY

JAMES LEE, M.D.

REV. JOHN J. CONWAY

MR. JAMES J. KIRWIN.

# PROGRAM

## PART FIRST

Overture . . . . . "The Rising Star," . . . . . College Orchestra  
 Francis Adolphus Casey . . . . . "The National Banner"  
 Maurice Wilfred Halpin . . . . . "The Destiny of America"  
 Richard Joseph Sughrue . . . . . "The Future of Our Country"  
 Duet . . . . . "The Pilot Brave" . . . . . *Millard*

Joseph MacDonald and John Francis Ward

Edwin Martin Sinnott . . . . . "Patriotism"  
 Leo Hubert Costigan . . . . . "The Genius of Ireland"  
 William Gasper Garnlein . . . . . "Northern Laborers"  
 Trio, Violin . . . . . "Marche Nuptiale" . . . . .

Leon Verry, Jas. Williamson and Arnold Gleisberg

Robert William Pommerer . . . . . "The Battle of Albuera"  
 John Patrick Horan . . . . . "National Union"  
 William Edmund White . . . . . "Toussaint l'Overture"  
 Mandolin Solo . . . . . José Olaguanga  
 Vincent de Paul O'Mahoney . . . . . "The American Patriot's Song"  
 Joseph Thomas Doyle . . . . . "Perpetuity of the Church"

### College Quartette:

HENRY V. CARROLL

JOHN H. BYRNES

JOHN PATRICK HORAN

JOHN FRANCIS WARD

## PART SECOND

Quartette . . . . . "Comrades in Arms" . . . . . *Adams*  
 William Bartholomew Farrell . . . . . "Rienzi's Address"  
 Leo Aloysius Halpin . . . . . "Salathiel to Titus"  
 John Aloysius Brown . . . . . "The Seminole's Defiance"  
 Solo . . . . . "The Holy City" . . . . . *Adams*

H. V. Carroll

Joseph Patrick Byrnes . . . . . "The Indian Chief"  
 William Joseph Lyons . . . . . "Scott and the Veteran"  
 John Archibald Russell . . . . . "Giant and Dwarf"  
 Violin Solo . . . . . "Scene de Ballet" . . . . . *de Beriot*

Leon Verry

Leo Augustine Brown . . . . . "The Midnight Mass"  
 Charles Augustine Doyle . . . . . "The Christian Martyr"  
 Thomas Joseph Costigan . . . . . "Parrhasius and Captive"  
 Denis O'Leary Coholan . . . . . "Erin"  
 Quartette . . . . . "Crossing the Harbor Bar" . . . . . *Geibel*  
 Orchestra . . . . . "Happy Days in Dixie" . . . . . *K. Mills*

### Decision of Judges

### Awarding of Medals

Orchestra . . . . . Deux Temps, "El Capitan" . . . . . *Sousa*

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 LINCOLN DAY

## NEWMAN LITERARY SOCIETY

## MANHATTAN COLLEGE

FRIDAY, FEBRUARY 12, 1897

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 RECEPTION COMMITTEE
JOHN E. McDOWELL  
MATTHEW H. COXEDWARD V. McGOLDRICK  
GEO. B. NEWMAN

JOHN J. GREANEY

*Virtute et Opera*

'98

## PROGRAM

## PART I.

Overture . . . . .	Dance of the Mermaids . . . . .	<i>Cone</i>
	College Orchestra	
"The Day We Celebrate" . . . . .	Daniel Joseph Cotter	
Song . . . . .	"O Hail us, Ye Free" . . . . .	<i>Verdi</i>
	College Glee Club	
Recitation . . . . .	"The Leper" . . . . .	<i>Willis</i>
	William Eugene Grant	
"Lincoln, Statesman and Patriot" . . . . .	Daniel Francis Logue	
March . . . . .	"Double Eagle" . . . . .	<i>Ruffer</i>
	Mandolin, Zither and Guitar Club	
Recitation . . . . .	"The Shipwrecked" . . . . .	<i>Copper</i>
	John Joseph McQuade	

# PROGRAM.—Continued.

Song . . . . .	"Two Roses" . . . . .	Werner
	Manhattan Quartette	
"The Twentieth Century" . . . . .		Archbishop Ireland
	John Thomas Jordan	
Our Country {	"America, The Land of To-day . . . . .	
	"America, the Land of the Future . . . . .	Leo XIII
	Peter James McGoldrick	
Song . . . . .	"Kathleen Mavourneen" . . . . .	Shattuck
	Manhattan Quartette	
Selection . . . . .	"Fern Cliff" . . . . .	Crosby
	College Orchestra	

## PART II.

Song . . . . .	"Oft in the Stilly Night" . . . . .	Coe
	College Glee Club	
Concert Waltz . . . . .		Nauser
	Mandolin Club	
Discussion		

*Resolved* :—That Money Power exercises a greater influence than Moral Power, when brought to bear on the Human Mind.

Chairman : James Andrew Chandler

### Affirmative

Richard Denis Murphy  
Charles Joseph Dillon  
James Robert Boyle  
Walter George Henry  
Joseph Leo Tierney

### Negative

Bernard Joseph Boland  
Michael Francis Shea  
John Joseph Nagle  
Joseph Dominic McKenna  
William Jennings Cleary.

### JUDGES :

Reverend Gabriel A. Healy  
Honorable William Sohmer  
General Oscar LaGrange

John Whalen, Esq.  
Eugene McEnroe, Esq.  
Mr. James Sadlier

Selection . . . . .	"Happy Days in Dixie" . . . . .	
	College Orchestra	

## Decision of Judges

Grand March . . . . .		Orchestra
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# ORATORICAL CONTEST

FOR THE

## GRADY MEMORIAL MEDAL

BY THE

STUDENTS OF MANHATTAN COLLEGE

COLLEGE HALL

SUNDAY, FEBRUARY 21, 1897

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### JUDGES:

REV. CHARLES MCCREADY, LL.D.

MARK F. VALETTE, Ph.D.

HENRY C. MCLEAN, M.D.

JOSE M. FERRER, M.D.

JOHN J. NEVIN, M.D.

WILLIAM HURST.

GEO. B. ROBINSON.

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### PROGRAM

#### PART I

OVERTURE	-	-	"Grand American Fantasia"	-	-	<i>Bendix</i>
			COLLEGE ORCHESTRA			
SONG	-	-	"Our March Sublime"	-	-	GLEE CLUB
"DUTIES OF AMERICAN CITIZENS"	-	-		-	-	<i>Webster</i>

MAURICE BELLEW

# PROGRAM—Continued

"LAFAYETTE"	-	-	-	-	-	-	-	<i>Sprague</i>
				WILLIAM A. DOOLEY				
"MARK ANTONY'S ORATION"	-	-	-	-	-	-	-	<i>Shakspeare</i>
				JOHN P. WERNER				
SONG	-	-	-	"On the Breeze"	-	-	-	<i>Adams</i>
				MANHATTAN QUARTETTE				
"TOUSSAINT L'OUVERTURE"	-	-	-	-	-	-	-	<i>W. Phillips</i>
				MICHAEL J. MILAY				
"AMERICAN FREEDOM"	-	-	-	-	-	-	-	<i>Otis</i>
				WILLIAM H. FLYNN				
"VINDICATION OF SOUTH CAROLINA"	-	-	-	-	-	-	-	<i>Hayne</i>
				MICHAEL J. THORNTON				
SELECTION	-	-	-	"Fern Cliff"	-	-	-	<i>Crosby</i>
				COLLEGE ORCHESTRA				
"LIBERTY"	-	-	-	-	-	-	-	<i>Brush</i>
				SAMUEL A. MOORE				
"SECTIONAL SERVICES"	-	-	-	-	-	-	-	<i>Cushing</i>
				JOHN V. MCAVOY				

## PART II

"MASSACHUSETTS"	-	-	-	-	-	-	-	<i>Webster</i>
				JOHN F. DOYLE				
"APPEAL ON BEHALF OF IRELAND"	-	-	-	-	-	-	-	<i>Prentiss</i>
				WILLIAM E. GRANT				
CHORUS	-	-	-	"Red, White and Blue"	-	-	-	COLLEGE CHOIR
"REGULUS TO THE CARTHAGINIANS"	-	-	-	-	-	-	-	<i>Kellogg</i>
				MICHAEL F. SHEA				
"DANIEL O'CONNELL"	-	-	-	-	-	-	-	<i>W. Phillips</i>
				DANIEL J. COTTER				
"PATRIOTISM"	-	-	-	PETER J. MCGOLDRICK				
SONG	-	-	-	"The Bridge"	-	-	-	<i>Lindsay</i>
				MANHATTAN QUARTETTE				
"THE NEW SOUTH"	-	-	-	-	-	-	-	<i>Henry W. Grady</i>
				JOHN T. JORDAN				
"NORTHERN LABORERS"	-	-	-	-	-	-	-	<i>Taylor</i>
				WALTER G. HENRY				
SELECTION	-	-	-	"Southern Chimes"	-	-	-	<i>Mills</i>
				COLLEGE ORCHESTRA				

## Decision of Judges

SELECTION	-	-	-	"Manhattan Quickstep"	-	-	-	ORCHESTRA
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## ST. PATRICK'S DAY

## ELOCUTION CONTEST

FOR THE

COHALAN GOLD MEDAL

Sophomore and Freshman Classes

MANHATTAN COLLEGE

Wednesday, March 17th, 1897

## JUDGES

REV. JOHN F. WOODS, D.D.

REV. WILLIAM J. DONOVAN.

JAMES W. O'BRIEN, LL.D.

EDWARD HASSETT, LL.B.

JOHN J. PRIAL, A.B.

## PROGRAM

## PART I

OVERTURE	-	-	"Echoes from Ireland"	-	-	-	-	Casey
			COLLEGE ORCHESTRA					
"ALIENS"	-	-	-	-	-	-	-	Sheil
			JAMES J. GOLDEN					
"ERIN'S FLAG"	-	-	-	-	-	-	-	Ryan
			WILLIAM J. ROCHE					
CHORUS	-	-	-	"Killarney"	-	-	-	Balfe
			COLLEGE GLEE CLUB					
"THE AMERICAN WAR"	-	-	-	-	-	-	-	Chatham
			GERARD CUOCO					
"WAR INEVITABLE"	-	-	-	-	-	-	-	Henry
			FRANCIS DE SALES HALPIN					

# PROGRAM—Continued

SELECTION	-	-	-	" Fern Cliff "	-	-	-	-	Crosby
				COLLEGE ORCHESTRA					
" NATIONAL GLORY "	-	-	-	-	-	-	-	-	Clay
				JOSEPH R. JACKSON					
" WOUNDED "	-	-	-	-	-	-	-	-	Miller
				JOHN H. BYRNES					
SONG	-	-	-	-	" Off to Philadelphia "				
				MANHATTAN QUARTETTE					
" LIBERTY AND UNION "	-	-	-	-	-	-	-	-	Webster
				EDWARD A. JOHNSON					
" SPARTACUS "	-	-	-	-	-	-	-	-	Kellogg
				LEO A. DELANEY					
" THE UNKNOWN SPEAKER "	-	-	-	-	-	-	-	-	Anon
				JOSEPH F. SULLIVAN					
SELECTION	-	-	-	-	Douce Caresse	-	-	-	
				COLLEGE QUARTETTE					

## PART II

" THE DAY WE CELEBRATE "	-	-	-	-	-	-	-	-	Anon
				ALBERT T. BROPHY					
" MACLAINE'S CHILD "	-	-	-	-	-	-	-	-	Anon
				JOHN J. CURTIN					
CHORUS	-	-	-	-	" Oft in the Stilly Night "	-	-	-	Coe
				COLLEGE GLEE CLUB					
" TOUSSAINT L'OUVERTURE "	-	-	-	-	-	-	-	-	Phillips
				THOMAS F. SMITH					
" PATRIOTISM AND LOYALTY "	-	-	-	-	-	-	-	-	Stony
				PATRICK F. MCSORLEY					
SONG	-	-	-	-	" The Cruiskeen Lawn "	-	-	-	Moore
				MANHATTAN QUARTETTE					
" DISTURBANCE BILL "	-	-	-	-	-	-	-	-	O'Connell
				LAWRENCE F. KAINE					
" THE UNKNOWN SPEAKER "	-	-	-	-	-	-	-	-	Anon
				JOHN F. WRIGHT					
SELECTION				COLLEGE ORCHESTRA					
" O'CONNELL "	-	-	-	-	-	-	-	-	Seward
				EDMUND S. NUGENT					
" AMERICAN VETERANS "	-	-	-	-	-	-	-	-	Webster
				JOSEPH F. HOLLAND					
" NOBLE VINDICATION "	-	-	-	-	-	-	-	-	Emmett
				NICHOLAS A. DEEVY					
CONCERT WALTZ	-	-	-	-	-	-	-	-	Buck
				MANHATTAN GLEE CLUB					

## Decision of Judges

SELECTION	-	-	-	-	" America "	-	-	-	Bendix
				COLLEGE ORCHESTRA					

MUSICAL, AND DRAMATIC  
ENTERTAINMENT

BY THE

STUDENTS OF MANHATTAN COLLEGE

MURRAY HILL THEATRE

42d Street and Lexington Avenue

THURSDAY, APRIL 29, 1897

AT 2 P. M.

---

Benefit: Manhattan Athletic Association

PROGRAM

PART I

OVERTURE

COLLEGE ORCHESTRA

GRAND CHORUS . . . "Beloved Columbia" . . . . . *Verdi*

DRAMATIC SELECTION "David and Goliath"

WM. B. FARRELL, JOHN F. WRIGHT.

OVERTURE . . . . . "Martha" . . . . . *Flotow*  
BAND

Scene from "King John"

ARTHUR . . . . . JOHN A. RUSSELL

HUBERT . . . . . JOHN DE WITT McAVOY

ATTENDANTS . . . . . { ROBERT BIRMINGHAM  
GEORGE B. NEWMAN

PROGRAM—*Continued*

CHORUS . . . . . "The Jolly Blacksmith's Lay" . . . . . *Geibel*

CHOIR

SELECTION . . . . . "Frolic of the Nymphs"

ORCHESTRA

Scene from "Douglass"

LORD RANDOLPH . . . . . JOSEPH D. McKENNA

GLENALVON . . . . . JOSEPH F. SULLIVAN

NORVAL . . . . . CHARLES J. DILLON

MEDLEY . . . . . "L. C. B." . . . . . *M. De Donato*

BAND

---

PART II

HICKORY CORNERS . . . . ORCHESTRA . . . . . *Cone*

"The Hidden Gem"

BY CARDINAL WISEMAN

PROLOGUE . . . . . MICHAEL J. THORNTON

DRAMATIS PERSONÆ:

Euphemianus, a Roman Patrician . . . . . John P. Werner

Alexius, under the name of Ignotus, his son . . . . . Peter J. McGoldrick

Carinus, a boy, his nephew . . . . . William E. White

Proculus, his Freedman and Steward . . . . . Maurice Bellew

Eusebius, freed after Act I . . . . . William J. Flynn

Bibulus . . . . . Albert T. Brophy

Davus . . . . . Edmund S. Nugent

Ursulus . . . . . David J. Roche

Verna . . . . . John S. A. McQuade

Gannio, a Beggar . . . . . Walter G. Henry

An Imperial Chamberlain . . . . . Edward V. McGoldrick

An Officer . . . . . Daniel F. Logue

First Robber . . . . . John T. Jordan

Second Robber . . . . . John J. Greaney

Slaves, Attendants, etc.

# CLOSING EXERCISES

## ACADEMIC DEPARTMENT

MANHATTAN COLLEGE

JUNE 26, 1897

9 A. M.

---

OVERTURE—Piano . . . . .	John H. Byrnes
CHORUS . . . . .	Junior Choir
"LITTLE JIM" . . . . .	Thomas J. Bagnall
"THE KING AND CHILD" . . . . .	Matthew M. Cahill
"GAUDENTIS" . . . . .	Milton C. Walsh
VIOLIN SOLO . . . . .	Charles A. Doyle
"INDEPENDENCE BELL" . . . . .	August Niuwenhous
"OLD IRONSIDES" . . . . .	Patrick H. McCormack
"BARBARA FRIETCHIE" . . . . .	Edward C. Philips
DUET—Piano . . . . .	{ Thomas H. Finan John H. Byrnes
"HARMOSAN" . . . . .	Joseph P. Byrnes
"IRISH HEARTS AND IRISH HANDS" . . . . .	James I. A. Russell
"GUALBERTO'S VICTORY" . . . . .	William B. Farrell
VIOLIN SOLO . . . . .	Leon L. Verry
"DEATH OF BENEDICT ARNOLD" . . . . .	John J. Murray
"CASEY AT THE BAT" . . . . .	William G. Garnlein
"WATERLOO" . . . . .	William G. Garnlein
CHORUS—"Angels" . . . . .	Junior Choir

Distribution of Premiums

FORTY-FOURTH

ANNUAL COMMENCEMENT

OF

MANHATTAN COLLEGE

HIS EXCELLENCY MONSIGNOR MARTINELLI, APOSTOLIC DELEGATE,

PRESIDING

CARNEGIE MUSIC HALL

TUESDAY, JUNE 29, 1897

---

OVERTURE . . . . .	College Orchestra
CONTEST OF IDEAS . . . . .	William Henry Flynn
"HARK, THE TRUMPET CALLETH" . . . . .	College Glee Club
"NATURE WORSHIP IN LITERATURE" . . . . .	Michael Joseph Thornton
"ARM, ARM, YE BRAVE"—SOLO . . . . .	Michael J. Lally
"THE POWER OF TRUTH" . . . . .	Samuel Barlow Moore
SELECTION . . . . .	Orchestra
"PESSIMISM" . . . . .	Maurice Bellew
"COMRADES IN ARMS" . . . . .	Glee Club
"THE CENTENARY OF ST. COLUMBA" . . . . .	John Patrick Werner
SELECTION . . . . .	Orchestra

Conferring of Degrees

AWARDING OF PRIZES AND COMMERCIAL DIPLOMAS.

ADDRESS TO THE GRADUATES . . .	<i>Very Rev. Thomas A. Conaty, D.D.</i>
FINALE . . . . .	<i>Orchestra</i>

The Honorary Degree of Doctor of Laws

WAS CONFERRED ON

REV. JAMES H. MITCHELL, A.M.

REV. MICHAEL J. LAVELLE, A.M.

---

The Degree of Master of Science

WAS CONFERRED ON

JOSEPH P. F. BURKE, B.S., M.D.

## The Degree of Bachelor of Arts

WAS CONFERRED ON

JAMES PATRICK McGRAW  
JOSEPH FABIAN BENEDICT CHERRY  
JOSEPH IGNATIUS NORRIS  
WILLIAM HENRY FLYNN  
SAMUEL BARLOW MOORE  
JOHN VINCENT McAVOY  
JAMES PATRICK CORRIDAN  
MICHAEL JOSEPH THORNTON  
WILLIAM THOMAS CONNOLLY  
WILLIAM PATRICK FRANCIS DOOLEY  
MAURICE BELLEW  
MICHAEL JOSEPH MILAY  
JOHN JOSEPH DOWD  
MICHAEL SEGUNDO JOSEPH LOPEZ  
JOSEPH JAMES GLENNON  
PETER PAUL CONATY  
WILLIAM VINCENT QUINN  
MATTHEW McGOVERN  
ALBERT JOSEPH KEENAN  
JAMES FRANCIS DALTON  
JOHN FRANCIS DOYLE  
TIMOTHY EUGENE COHALAN  
JOHN PATRICK WERNER  
JAMES FRANCIS LAMBERT STACK  
DENNIS GEORGE CALLAHAN  
JOSEPH RAYMOND MACDONALD  
JAMES JOSEPH SHEIL  
EDWARD PAUL GEORGE STERNS

The Degree of Bachelor of Science

WAS CONFERRED ON

THOMAS BRYAN WHITNEY (*Engineering*)

CHARLES AUGUSTINE COSTELLO (*Architecture*)

SIMON THOMAS McNALLY (*Engineering*)

JAMES THOMAS PHELAN (*Engineering*)

JOHN HENRY FRANCIS WARD

---

Commercial Diplomas

MICHAEL FRANCIS JOHN HENRY

TIMOTHY FRANCIS CROWLEY

NEWTON ALOYSIUS McGOVERN

AUGUSTINE SYLVESTER OSBORNE

GEORGE HUBERT WYNN

BERNARD LEO BYRNES

EDWARD FRANCIS XAVIER HUBENER

## Purse

THE ALUMNI PURSE OF FIFTY DOLLARS FOR THE BEST ENGLISH ESSAY

JOSEPH IGNATIUS NORRIS

Next in merit, JOSEPH B. CHERRY

Founded by the Alumni of Manhattan College

---

## Medals

THE MILMO-McGOWAN MEDAL FOR RELIGIOUS INSTRUCTION

WILLIAM P. F. DOOLEY

Next in merit, JOSEPH I. NORRIS

Founded by Mrs. Milmo-McGowan; New York

---

THE KELLY MEDAL FOR PHILOSOPHY

JAMES A. CORRIDAN

Next in merit, JAMES P. MCGRAW

Founded by Eugene Kelly, Esq., New York

---

THE GRADY MEMORIAL MEDAL FOR ORATORY

JOHN P. WERNER

Next in merit, MAURICE BELLEW

Founded by the Alumni Society

### THE DEVLIN MEDAL FOR CLASSICS

JOHN V. McAVOY

Next in merit { JAMES A. CORRIDAN  
JAMES P. MCGRAW

Founded by Charles E. Miller, Esq., New York

---

### THE MEDAL FOR LATIN COMPOSITION

RICHARD D. MURPHY

Next in merit, JOHN J. GREANY

Donated by Rev. Michael J. Lavelle, LL.D., Class of '73

---

### THE MEDAL FOR PHYSICS

RICHARD D. MURPHY

Next in merit, THOMAS B. WHITNEY

Donated by Rev. John F. Woods, D.D.

---

### THE MEDAL FOR RELIGIOUS INSTRUCTION (Commercial Department)

TIMOTHY FRANCIS CROWLEY

Next in merit { NEWTON A. MCGOVERN  
MARCUS T. O'REILLY

Donated by Rev. John J. Kean, LL.D., Class of '66

# STUDENTS OF MANHATTAN COLLEGE

1896-97

ADRIAN, EDMUND F.	.	.	.	.	.	NEW YORK
ADRIAN, LOUIS J.	.	.	.	.	.	NEW YORK
ANGEL, JOSÉ MANUEL	.	.	.	.	.	NEW YORK
AULETA, FRANCIS A.	.	.	.	.	.	NEW YORK
BAGNALL, CHARLES F.	.	.	.	.	.	NEW YORK
BAGNALL, THOMAS J.	.	.	.	.	.	NEW YORK
BANTA, GEORGE J.	.	.	.	.	.	BUFFALO, N. Y.
BARRY, WILLIAM P.	.	.	.	.	.	TICONDEROGA, N. Y.
BELLEW, MAURICE	.	.	.	.	.	MILFORD, Pa.
BENNETT, JOSEPH W.	.	.	.	.	.	NEW YORK
BIRMINGHAM, EDWARD A.	.	.	.	.	.	BRIDGEPORT, CONN.
BIRMINGHAM, ROBERT A.	.	.	.	.	.	BRIDGEPORT, CONN.
BIRMINGHAM, WALTER J.	.	.	.	.	.	BRIDGEPORT, CONN.
BOLAND, BERNARD J.	.	.	.	.	.	BRIDGEPORT, CONN.
BORD, HENRY F.	.	.	.	.	.	NEW YORK
BOURKE, JOHN F. A.	.	.	.	.	.	BROOKLYN, N. Y.
BOYLE, JAMES R.	.	.	.	.	.	BROOKLYN, N. Y.
BROPHY, ALBERT T. J.	.	.	.	.	.	NEW YORK
BROWN, JOHN A.	.	.	.	.	.	ELIZABETH, N. J.
BROWNE, LEOPOLD A.	.	.	.	.	.	BOSTON, MASS.
BURROWS, EDWARD J.	.	.	.	.	.	MANCHESTER, N. H.
BYRNES, BERNARD L.	.	.	.	.	.	NEW YORK
BYRNES, JOHN H.	.	.	.	.	.	BROOKLYN, N. Y.
BYRNES, JOSEPH P.	.	.	.	.	.	NEW YORK
BYRNES, WILLIAM A.	.	.	.	.	.	NEW YORK
CAHILL, JAMES P.	.	.	.	.	.	NEW YORK
CAHILL, MATTHEW M.	.	.	.	.	.	NEW YORK
CALLAHAN, DENNIS G.	.	.	.	.	.	BROOKLYN, N. Y.
CALLAHAN, JOHN W.	.	.	.	.	.	NEW YORK
CANNON, JOSEPH F.	.	.	.	.	.	NEWARK, N. J.
CARROLL, HENRY V.	.	.	.	.	.	PROVIDENCE, R. I.
CASEY, FRANCIS A.	.	.	.	.	.	NEW YORK
CAVENATO, JOHN J. B.	.	.	.	.	.	NEW YORK
CHANDLER, JAMES A.	.	.	.	.	.	GLENS FALLS, N. Y.
CHERRY, JOSEPH B.	.	.	.	.	.	NEW YORK
CLEARY, WILLIAM J.	.	.	.	.	.	BROOKLYN, N. Y.
COADY, THOMAS J.	.	.	.	.	.	BROOKLYN, N. Y.

COHALAN, DENNIS O'L. . . . .	NEW YORK
COHALAN, TIMOTHY E. . . . .	NEW YORK
CONAGHAN, BERNARD F. . . . .	NEW YORK
CONATY, PETER P. . . . .	NEW YORK
CONDON, JOHN B. P. . . . .	WATERTOWN, MASS.
CONNELLY, JOSEPH A. A. . . . .	NEW YORK
CONNOLLY, WILLIAM T. . . . .	NEW YORK
CORCORAN, PATRICK G. . . . .	FORT YATES, N. D.
CORCORAN, RICHARD T. B. . . . .	FORT YATES, N. D.
CORRIDAN, JAMES . . . . .	NEW YORK
COSTELLO, CHARLES A. . . . .	NEW YORK
COSTELLO, THOMAS . . . . .	NEW YORK
COSTIGAN, LEO H. . . . .	NEW YORK
COSTIGAN, THOMAS . . . . .	NEW YORK
COTTER, DANIEL J. . . . .	MANCHESTER, N. H.
COTTER, GARRETT W. . . . .	MANCHESTER, N. H.
COX, MATTHEW L. . . . .	NEW YORK
CROWLY, TIMOTHY F. . . . .	NEW YORK
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CUOCO, GERARD . . . . .	NEW YORK
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CUSHING, LEO E. . . . .	NEW YORK
DALTON, JAMES F. . . . .	YONKERS, N. Y.
DEEVY, JAMES F. . . . .	NEW YORK
DEEVY, NICHOLAS A. . . . .	NEW YORK
DELANEY, CHARLES A. . . . .	BRIDGEPORT, CONN.
DELANEY, JOHN C. J. . . . .	BROOKLYN, N. Y.
DELANEY, LEO A. . . . .	NEW YORK
DILLON, CHARLES A. . . . .	NEW YORK
DILLON, CHARLES J. . . . .	NEW YORK
DILLON, GEORGE S. . . . .	NEW YORK
DONNELLY, FELIX J. A. . . . .	NEW YORK
DONOVAN, JOHN J. . . . .	MANCHESTER, N. H.
DOOLEY, WILLIAM P. F. . . . .	NEW YORK
DOUGHERTY, DANIEL M. . . . .	MIDDLETOWN, N. Y.
DOWD, JOHN J. . . . .	ALBANY, N. Y.
DOWDNEY, ABRAM L. . . . .	WASHINGTON, D. C.
DOYLE, CHARLES A. . . . .	BROOKLYN, N. Y.
DOYLE, JOHN F. . . . .	CONSTABLEVILLE, N. Y.
DOYLE, JOSEPH T. . . . .	NEW YORK
DUGGAN, MATTHEW J. . . . .	NEW YORK
DWYER, FRANCIS J. . . . .	UTICA, N. Y.
DWYER, JOHN J. . . . .	NEW YORK
DWYER, WILLIAM M. . . . .	UTICA, N. Y.
FARRELL, WILLIAM B. . . . .	NEW YORK
FENN, ALBERT . . . . .	NEW YORK

FINAN, THOMAS H. . . . .	GOSHEN, N. Y.
FINN, DANIEL E. . . . .	NEW YORK
FITZPATRICK, HENRY O'H. . . . .	BEDFORD PARK, N. Y.
FITZPATRICK, JAMES G. . . . .	BEDFORD PARK, N. Y.
FITZPATRICK, WILLIAM G. . . . .	BEDFORD PARK, N. Y.
FLANIGAN, JOSEPH P. . . . .	NEW YORK
FLEMING, ARTHUR J. . . . .	NEW YORK
FLOOD, WILLIAM J. . . . .	NEW YORK
FLYNN, EDWARD J. . . . .	NEW YORK
FLYNN, FRANCIS J. . . . .	WOONSOCKETT, R. I.
FLYNN, WILLIAM H. . . . .	HARTFORD, CONN.
FUREY, JOHN B. . . . .	NEW YORK
<b>G</b> ALVIN, FRANCIS E. . . . .	NEW YORK
GANLEY, JOHN M. . . . .	FORT EDWARD, N. Y.
GARNLEIN, WILLIAM G. . . . .	NEW YORK
GLENNON, JOSEPH J. . . . .	ALBANY, N. Y.
GOLDEN, JAMES J. . . . .	NEW YORK
GORMAN, RICHARD . . . . .	NEW YORK
GRANT, JR., CHARLES B. . . . .	NEW YORK
GRANT, WILLIAM E. . . . .	BROOKLYN, N. Y.
GREANEY, JOHN B. . . . .	IRELAND
<b>H</b> ALPIN, FRANCIS DE SALES . . . . .	NEW YORK
HALPIN, LEO A. . . . .	NEW YORK
HALPIN, MAURICE W. . . . .	NEW YORK
HAMILTON, WALTER S. . . . .	NEW YORK
HANABURGH, AUGUST T. . . . .	CARTHAGENA, S. A.
HARLEY, JOSEPH F. H. . . . .	BROOKLYN, N. Y.
HENRY, MICHAEL F. J. . . . .	BROOKLYN, N. Y.
HENRY, WALTER G. . . . .	NEW YORK
HILLIARD CLARE B. . . . .	NEW YORK
HOGAN, CHARLES J. . . . .	GOSHEN, N. Y.
HOLLAND, JOSEPH F. . . . .	NEW YORK
HOPKINS, JOHN J. . . . .	NEW YORK
HORAN, JOHN P. . . . .	HAVERSTRAW, N. Y.
HUBENER, EDWARD F. . . . .	WEST HOBOKEN, N. J.
HUGHES, JOHN J. A. . . . .	NEW YORK
HUME, HENRY S. A. . . . .	NEW YORK
HURBAN, WILLIAM J. . . . .	NEW YORK
<b>J</b> ACKSON, JOSEPH R. . . . .	TUCKAHOE, N. Y.
JOHNSON, EDWARD A. . . . .	NEW YORK
JORDAN, JOHN T. . . . .	PORTCHESTER, N. Y.
<b>K</b> AINE, LAWRENCE F. . . . .	NEW YORK
KEEFE, ARTHUR J. . . . .	BUFFALO, N. Y.
KEENAN, ALBERT J. . . . .	BROOKLYN, N. Y.

KENNEDY, WILLIAM L. L.	. . . . .	BROOKLYN, N. Y.
KENNEY, JOHN L.	. . . . .	PORT RICHMOND, N. Y.
LACEY, GEORGE G.	. . . . .	NEW YORK
LEDDY, JOHN E.	. . . . .	NEW YORK
LEE, MAURICE E.	. . . . .	NEW YORK
LEHNEMANN, JAMES B.	. . . . .	NEW YORK
LIEBLER, EDWARD M. A.	. . . . .	NEW YORK
LOGUE, DANIEL F.	. . . . .	MANCHESTER, N. H.
LOPEZ, MICHAEL S. J.	. . . . .	BROOKLYN, N. Y.
LOPEZ, VICTOR R.	. . . . .	SAN JUAN, P. R.
LORD, VICTOR E.	. . . . .	NEW YORK
LYNCH, THOMAS G.	. . . . .	NEW YORK
LYONS, JUSTIN J.	. . . . .	NEW YORK
LYONS, MICHAEL J.	. . . . .	FALL RIVER, MASS.
LYONS, WILLIAM J.	. . . . .	NEW YORK
McAVOY, JOHN V.	. . . . .	NEW YORK
MCCARTHY, WALTER J.	. . . . .	NEW HAVEN, CONN.
MCCLAIN, JAMES A. F.	. . . . .	NEW YORK
MCCLOY, JOSEPH F.	. . . . .	NEWBURGH, N. Y.
MCCORMAC, PATRICK H.	. . . . .	NEW YORK
MCDONNELL, JOHN C.	. . . . .	NEW YORK
MCDOWELL, JOHN C.	. . . . .	SYRACUSE, N. Y.
MCGOLDRICK, EDWARD V.	. . . . .	BROOKLYN, N. Y.
MCGOLDRICK, PETER J.	. . . . .	BROOKLYN, N. Y.
MCGOVERN, MATTHEW	. . . . .	IRELAND
MCGOVERN, NEWTON A.	. . . . .	NEW YORK
MCGRATH, JOSEPH J.	. . . . .	NEW YORK
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GLEESON, REV. MATTHEW C. . . . .	'80	NEW YORK CITY

GLEESON, JAMES J. . . . .	'94	NEW HAVEN, CONN.
GLENNON, JOSEPH J., A.B. . . . .	'97	ALBANY, N. Y.
GLINNEN, WILLIAM J. . . . .	'94	BROOKLYN, N. Y.
*GLOVER, ROBERT O. . . . .	'66	NEW YORK CITY
GLOVER, FREDERICK R., M.D. . . . .	Causa honoris	MOUNT VERNON, N. Y.
GOGGIN, REV. JAMES E. . . . .	'86	NEW YORK CITY
GOVERN, EDWARD J. C. E. . . . .	'93	NEW YORK CITY
GRADY, JAMES J., LL.B. . . . .	'73	NEW YORK CITY
*GRADY, REV. JOHN M. . . . .	'69	NEW YORK CITY
GRADY, HON. THOMAS F. . . . .	Causa honoris	NEW YORK CITY
GREELEY, MICHAEL N. . . . .	'88	NEW YORK CITY
GREEN, REV. JOHN J. . . . .	'79	CHICAGO, ILL.
GREENE, JAMES B., LL.B. . . . .	'89	WASHINGTON, D. C.
GRIFFIN, FRANCIS J., LL.B. . . . .	'91	NEW YORK CITY
GRIFFITH, WILLIAM H. . . . .	'80	NEW YORK CITY
GROVE, JOHN H., M.D. . . . .	Causa honoris	PHILADELPHIA, PA.
GUINON, REV. WILLIAM J., D.D. . . . .	'82	NEW YORK CITY
HAGGERTY, JOHN J. . . . .	'93	ALBANY, N. Y.
HAGGERTY, TIMOTHY J. . . . .	'88	BROOKLYN, N. Y.
HAGGERTY, WILLIAM F. . . . .	'79	NEW YORK CITY
HAHN, GEORGE V. . . . .	'93	ROME, N. Y.
HALL, REV. JAMES J. . . . .	'78	PATERSON, N. J.
HALPIN, PAUL J., LL.B. . . . .	'91	NEW YORK CITY
HALLORAN, EDWARD J. . . . .	'91	NEW YORK CITY
HANNIGAN, REV. FRANCIS E. . . . .	'79	NEW YORK CITY
HARRINGTON, REV. JOHN J. . . . .	'90	NEW YORK CITY
HASSETT, EDWARD, LL.B. . . . .	Causa honoris	NEW YORK CITY
HAVARD, VALERIO, M.D., U.S.N. . . . .	'68	NEW YORK CITY
*HAWKINS, WILLIAM J. . . . .	'85	RED BANK, N. J.
HAYES, REV. ALBERT J. . . . .	'88	SYRACUSE, N. Y.
HAYES, D. JAMES, M. D. . . . .	'91	SYRACUSE, N. Y.
HAYES, REV. JAMES W. . . . .	'71	NEW BRUNSWICK, N. J.
HAYES, REV. PATRICK J. . . . .	'88	NEW YORK CITY
HEAFY, REV. THOMAS J. . . . .	'86	NEW YORK CITY
HEFELE, GEORGE H., C. E. . . . .	'92	NEW YORK CITY
HENRY, EDWARD J. . . . .	'95	NEW YORK CITY
*HEROLD, JOHN B., F.S.C. . . . .	'76	NEW YORK CITY
HEROLD, JUSTIN, M.D. . . . .	Causa honoris	NEW YORK CITY
HICKEY P. VALENTINE . . . . .	'95	BROOKLYN, N. Y.
*HIGGINS, REV. EDWARD J. . . . .	'87	ALBANY, N. Y.
HIGGINS, REV. JOHN C. . . . .	'79	SYRACUSE, N. Y.
HOCTOR, JAMES, E., LL.B. . . . .	'85	NEW YORK CITY
HOLLAND, CORNELIUS J. . . . .	'95	FALL RIVER, MASS.
HOPKINS, REV. JOSEPH A. . . . .	'87	BINGHAMTON, N. Y.
HOPKINS, OTIS A. . . . .	'75	BINGHAMTON, N. Y.
HORAN, REV. MICHAEL F. . . . .	'88	FORDHAM, N. Y.
*HOWARD, REV. JOHN J. . . . .	'77	HUDSON, N. Y.

HUGHES, JAMES J., LL. B.	'91	NEW YORK CITY
HUGHES, WILLIAM C.	'96	NEW YORK CITY
HURLEY, DANIEL J.	'83	TROY, N. Y.
*HURLEY, REV. JOHN A.	'71	FISHKILL, N. Y.
*IRVING, REV. THOMAS H.	'80	SING SING, N. Y.
KANE, JOSEPH J., M.D.	'89	BUFFALO, N. Y.
*KAVANAGH, DANIEL A.	'81	CINCINNATI, O.
KEAN, REV. JOHN J.	'66	NEW YORK CITY
KEARNEY, ALFRED A.	'79	NEW YORK CITY
KEARNEY, CHARLES R.	'82	NEW YORK CITY
KEARNEY, JOHN J., LL.B.	'92	NEW YORK CITY
KEEFE, REV. RICHARD J.	'76	NEW YORK CITY
KEENAN, ALBERT J.	'97	BROOKLYN, N. Y.
KEENAN, JAMES P., LL.B.	'91	NEW YORK CITY
KEENAN, REV. THOMAS J.	'85	NEW YORK CITY
KEENAN, HENRY C., M.D.	'92	BROOKLYN, N. Y.
KELIHER, REV. MICHAEL F.	'87	NEW YORK CITY
KELLY, REV. CORNELIUS S.	'84	FALL RIVER, MASS.
KELLY, EDWARD H., LL.B.	'85	GREEN LAKE, N. Y.
KELLY, REV. JAMES W.	'77	NEW YORK CITY
KELLY, REV. JAMES S.	'71	NEW YORK CITY
*KELLY, THEODORE S.	'71	BROOKLYN, N. Y.
KELLY, THOMAS A.	'90	CENTRAL FALLS, R. I.
KELLY, FRANCIS R.	'94	NEW YORK CITY
KENNAH, JAMES B., LL.B.	'85	ALBANY, N. Y.
*KENNEDY, JOHN J.	'80	NEW YORK CITY
KENNEDY, LEO E.	'95	BROOKLYN, N. Y.
KENNY, REV. JOHN H.	'83	NEW YORK CITY
KERENS, RICHARD E.	'95	ST. LOUIS, MO.
KERWIN, WILLIAM T.	'93	BROOKLYN, N. Y.
KIRBY, REV. WILLIAM S.	'85	BROOKLYN, N. Y.
*KOINE, CHARLES M.	'85	BUFFALO, N. Y.
KRACHT, GEORGE W., LL.B.	Causa honoris	NEW YORK CITY
KUERZI, FRANCIS J.	'96	NEW YORK CITY
LALLY, MICHAEL J.	'90	NEW YORK CITY
LALOR, JOHN L., LL.B.	Causa honoris	MILWAUKEE, WIS.
LANE, THOMAS R., LL.B.	'73	NEW YORK CITY
*LANE, WILLIAM E.	'77	HUDSON, N. Y.
LANE, REV. FLORENCE A.	'94	CHICOPEE, MASS.
LARKIN, JOHN H., M.D.	'91	NEW YORK CITY
LARKIN, WILLIAM R., M.D.	'79	NEW YORK CITY
LARKIN, JAMES P.	'94	UTICA, N. Y.
LASTRAPES, BRONIER H.	'86	OPELOUSAS, LA.
LASTRAPES, WILLIAM R., M.D.	'87	OPELOUSAS, LA.
LAVELLE, REV. FRANCIS E.	'90	NEW YORK CITY

LAVELLE, REV. MICHAEL J.	'73	NEW YORK CITY
LEDDIN, MICHAEL J.	'83	NEW YORK CITY
LENES, REV. FRANCIS C.	'80	NEW YORK CITY
LENNON, REV. JOHN J.	'86	NEW YORK CITY
LEON, ALEXIS, M.D.	'75	NEW YORK CITY
LINDSMAN, REV. JOHN L.	'89	NEW YORK CITY
LOFTUS, JAMES F.	'85	BUFFALO, N. Y.
LONARGAN, REV. JOHN P.	'80	NEW YORK CITY
LONARGAN, REV. MICHAEL J.	'84	NEW YORK CITY
LOPEZ, MICHAEL, S., A.B.	'97	BROOKLYN, N. Y.
LOUGHRAN, REV. THOMAS J.	'83	PROVIDENCE, R. I.
LOUGHRAN, WILLIAM H., LL.B.	'82	BROOKLYN, N. Y.
LOUGHRAN, THOMAS V.	'95	NEW YORK CITY
LOWNEY, REV. DENNIS M.	'84	PROVIDENCE, R. I.
LYNCH, JOHN E.	'82	HAVERSTRAW, N. Y.
LYNCH, REV. THOMAS F.	'66	NEW YORK CITY
LYNCH, JAMES C.	'94	OGDENSBURG, N. Y.
LYONS, FRANCIS J.	'83	EVERGREEN, N. J.
MACDONA, HENRY, LL.B.	Causa honoris	NEW YORK CITY
MACDONALD, JOSEPH R.	'97	NEW YORK CITY
MACK, SAMUEL J.	'84	NEW YORK CITY
McLAUGHLIN, PATRICK D.	'94	IRELAND
MADDEN, FRANCIS M.	'90	RONDOUT, N. Y.
MADDEN, HENRY A.	'89	RONDOUT, N. Y.
MADDEN, THOMAS N.	'93	NEW YORK CITY
*MAGINN, FRANCIS E.	'88	NEW YORK CITY
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MAHER, AUGUSTINE F., LL.B.	'90	NEW HAVEN, CONN.
MAHER, STEPHEN J., M.D.	Causa honoris	NEW HAVEN, CONN.
MAHER, JOHN F.	'96	NEW YORK CITY
MAHONEY, REV. DANIEL P.	'88	TROY, N. Y.
MAHONEY, REV. PAT'K J., S.T.D.	'84	NEW YORK CITY
MALANY, THOMAS P.	'72	NEW YORK CITY
MANLEY, THOMAS, M.D.	Causa honoris	NEW YORK CITY
MANNING, J. THOMAS, LL.B.	'93	NEW YORK CITY
MANNING, HENRY E.	'94	WORCESTER, MASS.
MARA, REV. MICHAEL J.	'91	SYRACUSE, N. Y.
MARREN, JAMES P.	'87	NEW YORK CITY
MARSHALL, REV. GEORGE F.	'85	MANCHESTER, N. H.
MARTIN, EDWARD A.	'90	TARRYTOWN, N. Y.
McAVOY, FRANCIS S.	'81	WASH'GT'N HEIGHTS, N. Y.
McAVOY, JOHN V., A.B.	'97	NEW YORK CITY
McAVOY, THOMAS F.		
McCABE, EDWARD D., M.D.	'84	NEW HAVEN, CONN.
McCABE, JAMES J.	'82	HAVERSTRAW, N. Y.
McCABE, REV. MICHAEL J.	'89	PROVIDENCE, R. I.
*McCABE, REV. PATRICK H.	'75	HAVERSTRAW, N. Y.

McCAFFERTY, JOHN A. . . . .	'95	NEW YORK CITY
McCARTHY, REV. DANIEL J. . . . .	'90	BROOKLYN, N. Y.
McCARTHY, REV. FRANCIS P. . . . .	'83	PROVIDENCE, R. I.
McCARTHY, TIMOTHY A. . . . .	'95	NEW YORK CITY
McCLANCY, REV. JOHN P. . . . .	'66	MIDDLETOWN, N. Y.
McCLOSKEY, JOSEPH M., LL.B. . . . .	'95	WAPPINGER'S FALLS, N. Y.
McCLURE, DAVID, LL.B. . . . .	Causa honoris	NEW YORK CITY
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McCOOBERY, JOSEPH T., LL.B. . . . .	'80	JERSEY CITY, N. J.
McCORRY, REV. PATRICK J., C.S.P. . . . .	'96	NEW YORK CITY
McCUSKER, JOHN F., M.D. . . . .	'86	PROVIDENCE, R. I.
McDONOUGH, CHARLES J. . . . .	'92	BUFFALO, N. Y.
McDONALD, REV. JOSEPH V. . . . .	'87	NEW YORK CITY
McDONNELL, JAMES S. . . . .	'96	NEW YORK CITY
McFADDEN, GEORGE J. . . . .	'72	NEW YORK CITY
McGARE, REV. THOMAS F. . . . .	'74	MONTICELLO, N. Y.
McGINNIS, EUGENE F. . . . .	'96	NEW YORK CITY
McGINNIS, MICHAEL . . . . .	'76	BRIDGEPORT, CONN.
McGOLDRICK, REV. EDWARD J. . . . .	'77	BROOKLYN, N. Y.
McGOLDRICK, MICHAEL, LL.B. . . . .	Causa honoris	BROOKLYN, N. Y.
McGOLDRICK, THOMAS A. . . . .	'93	BROOKLYN, N. Y.
McGOVERN, MATTHEW . . . . .	'97	IRELAND
McGOVERN, REV. PETER P. . . . .	'90	JAMAICA, L. I.
McGOVERN, TERENCE A. . . . .	'81	NEW YORK CITY
*McGOWAN, MICHAEL J. . . . .	'69	NEW YORK CITY
McGRAW, JAMES P. . . . .	'97	SYRACUSE, N. Y.
*McKENNA, EDWARD F. . . . .	'83	ALBANY, N. Y.
McKENNA, JOHN B., M.D. . . . .	'84	PROVIDENCE, R. I.
McKENNA, WILLIAM J. . . . .	'85	FAR ROCKAWAY, N. Y.
*McKEON, JOSEPH I., LL.B. . . . .	'82	NEW YORK CITY
McLAUGHLIN, HUGH . . . . .	'74	WESTCHESTER, N. Y.
McLEAN, HENRY C., M.D. . . . .	'69	BROOKLYN, N. Y.
*McMAHON, DENNIS A. . . . .	Causa honoris	MORRISANIA, N. Y.
McMAHON, REV. DENIS J., D.D. . . . .	'76	WEST FARMS, N. Y.
McMAHON, JOHN B., M.D. . . . .	'73	NEW YORK CITY
McMAHON, REV. JOSEPH H. . . . .	'80	NEW YORK CITY
*McMANNIS, FRANCIS J. . . . .	'81	MOUNT REID, N. Y.
McMANNIS, WILLIAM F., M.D. . . . .	Causa honoris	NEW YORK CITY
McMANUS, PATRICK A., LL.B. . . . .	'78	LANSINGBURG, N. Y.
McNALLY, SIMON T. . . . .	'97	NEW YORK CITY
McMULLEN, JOHN R. . . . .	'86	BROOKLYN, N. Y.
McMURRAY, REV. FRANCIS J. . . . .	'92	BROOKLYN, N. Y.
McNAMARA, JAMES J. . . . .	'93	NORTH TARRYTOWN
McNAMARA, REV. JAMES F. . . . .	'89	SYRACUSE, N. Y.
McNAMARA, CHARLES A. . . . .	'95	SYRACUSE, N. Y.
McNAMARA, SYLVESTER J., M.D. . . . .	'89	BROOKLYN, N. Y.
McNEELY, JAMES A. . . . .	'90	BROOKLYN, N. Y.
*MacOSCAR, THOMAS, M.D. . . . .	Causa honoris	IRELAND

McPARLAN, EDWARD C., LL.B.	'93	NEW YORK CITY
McPARLAN, THOMAS F., M.D.	'88	NEW YORK CITY
McPEAK, JOSEPH T., C.E.	'94	NEW YORK CITY
McSORLEY, PETER A.	'70	BROOKLYN, N. Y.
MEAGHER, DENNIS A.	'67	PORTLAND, ME.
MEEGAN, REV. EDWARD J.	'92	ALBANY, N. Y.
MEEHAN, REV. WILLIAM F.	'88	NEW YORK CITY
MERRIGAN, BRENDAN V., LL.B.	'92	NEW YORK CITY
MERTENS, JOSEPH C.	'93	DETROIT, MICH.
MILAY, MICHAEL J., A.B.	'97	IRVINGTON, N. Y.
MITCHEL, ARTHUR J.	'92	BROOKLYN, N. Y.
MITCHEL, REV. JAMES H.	'74	BROOKLYN, N. Y.
MONAHAN, DAVID H.	'83	SOUTHINGTON, CONN
MONTAGUE, WILLIAM A.	'95	NEW YORK CITY
MOONEY, REV. MICHAEL F.	'87	TROY, N. Y.
MOORE, REV. FRANCIS P.	'87	NEW YORK CITY
MOORE, SAMUEL B., A.B.,	'97	PEEKSKILL, N. Y.
MORRIS, EDWARD J.	'80	BROOKLYN, N. Y.
MORRIS, REV. JOHN J.	'83	AMENIA, N. Y.
MORRIS, JOHN T., Ph.D.	Causa honoris	BALTIMORE, MD.
MULLANY, REV. JOHN F.	Causa honoris	SYRACUSE, N. Y.
MULLINS, DENNIS P.	'89	NEW YORK CITY
MORRISON, RICHARD J., LL.B.	'69	NEW YORK CITY
MUNDELEIN, REV. GEORGE W.	'89	NEW YORK CITY
MURPHY, FELIX T., LL.B.	'74	BROOKLYN, N. Y.
MURPHY, JOSEPH P., M.D.	'91	STATE LINE, MASS.
*MURPHY, REV. MICHAEL J.	'66	FAR ROCKAWAY, N. Y.
MURPHY, JOHN A.	'94	NEW HAVEN, CONN.
MURPHY, EDWARD J.	'95	CHICOPEE, MASS.
MURRAY, HUGH A.	'87	NEW YORK CITY
MURRAY, REV. LAWRENCE E.	'83	NEW YORK CITY
MURRAY, REV. MICHAEL J.	'78	NEW YORK CITY
MURRAY, PATRICK J.	'92	BROOKLYN, N. Y.
MUSGRAVE, CHRIS. J., M.D.	'84	NEW YORK CITY
NEVIN, JOHN J., M.D.	'82	JERSEY CITY, N. J.
*NICHOLASON, JAMES F.	'77	TROY, N. Y.
NOLAN, JAMES M., LL.B.	'92	PATERSON, N. J.
*NOONAN, REV. JOHN A.	'71	NEW YORK CITY
NORRIS, JOSEPH I., A.B.	'97	NEW YORK CITY
NUGENT, JOSEPH A.	'84	NEW YORK CITY
O'BRIEN, EDMUND A.	'79	TROY, N. Y.
O'BRIEN, JAMES W., LL.D.	Causa honoris	NEW YORK CITY
O'BRIEN, JOHN J.	'92	NEW YORK CITY
O'BRIEN, MICHAEL, C., M.D.	'78	NEW YORK CITY
O'BRIEN, REV. THOMAS J.	'88	BROOKLYN, N. Y.
O'BRIEN, JOHN E.	'95	MANCHESTER, N. H.

O'CALLAGHAN, EDWARD A. . . . .	'95	JERSEY CITY, N. J.
O'CONNELL, PATRICK F. . . . .	'84	NEW YORK CITY
*O'CONNOR, REV. EDWARD F. . . . .	Causa honoris	CLAYVILLE, N. Y.
O'CONNOR, CHARLES V., F.S.C. . . . .	'81	NEW YORK CITY
O'CONNOR, REV. JAMES P. . . . .	'79	TROY, N. Y.
O'CONNOR, THOMAS C. . . . .	'85	BUFFALO, N. Y.
O'CONNOR, JAMES P. . . . .	'94	NEW YORK
O'CONNOR, CHARLES G. . . . .	'95	BROOKLYN, N. Y.
O'GORMAN, DENIS F. . . . .	'90	NEW YORK CITY
O'GRADY, JOHN J. . . . .	'84	ATHENS, N. Y.
O'KEEFE, GEORGE J. . . . .	'92	BROOKLYN, N. Y.
O'LEARY, ARTHUR J., M.D. . . . .	'87	NEW YORK CITY
O'LEARY, CHARLES J. . . . .	'89	NEW YORK CITY
O'LEARY, CORNELIUS M., M.D. . . . .	Causa honoris	NEW YORK CITY
*O'LEARY, THOMAS J., LL.B. . . . .	'84	NEW YORK CITY
O'MARRA, THOMAS J., M.D. . . . .	'92	JERSEY CITY, N. J.
O'MEARA, REV. PATRICK J. . . . .	'76	PIERMONT, N. Y.
O'NEIL, EDWIN D., M.D. . . . .	'68	NEW YORK CITY
O'NEIL, FRANCIS J. . . . .	'75	ALBANY, N. Y.
O'NEIL, REV. DENIS P. . . . .	'78	PORT JERVIS, N. Y.
O'NEIL, FRANCIS H. . . . .	'94	MANCHESTER, N. H.
O'NEIL, REV. WILLIAM A. . . . .	'66	NEW YORK CITY
O'RORKE, JOHN J., LL.B. . . . .	'74	NEW YORK CITY
O'ROURKE, ANDREW A. . . . .	'84	NEW YORK CITY
O'ROURKE, JOHN A., M.D. . . . .	'88	NEW YORK CITY
O'SHEA, WILLIAM J. . . . .	Causa honoris	NEW YORK CITY
*O'SHAUGHNESSY, REV. JNO. E. . . . .	'83	NEW YORK CITY
PAINE, WILLIS S., Ph.D. . . . .	Causa honoris	NEW YORK CITY
PECH, JAMES, Ph.D., LL.D. . . . .	Causa honoris	NEW YORK CITY
PELTIER, PAUL . . . . .	Causa honoris	ST. LOUIS, MO.
PETRIE, ALBERT W. . . . .	'90	NEW YORK CITY
PFOHL, EDWARD, M.D. . . . .	'85	BUFFALO, N. Y.
PHELAN, JAMES T., S.B. . . . .	'97	NEW YORK CITY
PHELAN, THOMAS F. . . . .	'88	TROY, N. Y.
PHELAN, REV. THOMAS P. . . . .	'91	NEW YORK CITY
PHELAN, JOHN J. . . . .	'95	NEW YORK CITY
PODVIN, EDWARD C. . . . .	'65	ADAMSVILLE, N. Y.
PRENDERGAST, REV. EDW. R. . . . .	'79	BOONVILLE, N. Y.
PRIAL, JOHN J. . . . .	'90	FLORIDA, N. Y.
PURCELL, REV. WALTER A. . . . .	'78	SOUTH ORANGE, N. J.
PYNE, PATRICK H., M.D. . . . .	Causa honoris	YONKERS, N. Y.
QUIGLEY, JOHN J., M.D. . . . .	'81	NEW YORK CITY
QUINN, REV. DANIEL A. . . . .	'91	NEW YORK CITY
QUINN, DENNIS J., LL.B. . . . .	'86	NEW YORK CITY
*QUINN, PIERCE J., LL.B. . . . .	'79	NEW YORK CITY
QUINN, PETER J. . . . .	'86	PAWTUCKET, R. I.

QUINN, REV. WILLIAM . . . .	'87	NEW YORK CITY
QUINN, WILLIAM V. . . . .	'97	UTICA, N. Y.
RAFFERTY, PETER P. . . . .	'94	HIGHLANDS, N. J.
REILLY, CHARLES B. . . . .	'89	PROVIDENCE, R. I.
REILLY, REV. THOMAS J. . . .	'77	PROVIDENCE, R. I.
REILLY, JOHN, LL.B. . . . .	Causa honoris	NEW YORK CITY
RENGEL, REV. EDWARD J. . . .	'88	BUFFALO, N. Y.
RENAHAN, EDWARD J. . . . .	'88	YONKERS, N. Y.
RIGNEY, REV. JAMES C. . . . .	'76	ROSSVILLE, N. Y.
RIORDAN, DANIEL J. . . . .	'90	NEW YORK CITY
ROCHE, NICHOLAS J. . . . .	'84	NEW YORK CITY
ROCHE, WILLIAM . . . . .	Causa honoris	TROY, N. Y.
RODGERS, DOMINICK . . . . .	'83	PHILADELPHIA, PA.
RONAN JOSEPH F. . . . .	'86	NEW YORK CITY
RONAYNE JOHN A. . . . .	'93	WORCESTER, MASS.
RONAYNE, REV. PATRICK T. . .	'85	NEW YORK CITY
ROWAN, JOHN P. . . . .	'95	BROOKLYN, N. Y.
RUHL, ANTHONY G. . . . .	'95	NEW YORK CITY
RYAN, JOHN H. . . . .	'86	NEW YORK CITY
RYAN, MOST REV. PATRICK J. .	Causa honoris	PHILADELPHIA, PA.
RYBACK, VICTOR E. . . . .	'94	NEW YORK
SAIZAN, JOSEPH P., M.D. . . .	'86	NEW ORLEANS, LA.
SALTER, REV. JOHN J. . . . .	'69	NEW YORK CITY
SANDERS, REV. GEORGE D. . . .	'84	BROOKLYN, N. Y.
SEYMOUR, FIELDING L. . . . .	'94	NEW YORK
SHALLEW, WILLIAM J. . . . .	'94	YONKERS, N. Y.
*SHANDLEY, EDWARD F. . . . .	'88	NEW YORK CITY
SHANDLEY, THOMAS B. . . . .	'83	NEW YORK CITY
SHAW, JAMES J. . . . .	'83	YONKERS, N. Y.
SHEA, DENNIS, L., M.D. . . . .	'87	NEW YORK CITY
SHEA, JOHN J., M.D. . . . .	'93	NEW YORK CITY
SHEEHAN, WILLIAM J. . . . .	'92	EASTHAMPTON, MASS.
SHEIL, JAMES J., A.B. . . . .	'97	NEW YORK CITY
SHEIL, PETER A. . . . .	'96	. . . . .
SHERIDAN, FRANCIS J. . . . .	'75	NEW YORK CITY
*SHERIDAN, REV. PATRICK F. .	Causa honoris	LONG ISLAND CITY
SINNOTT, PHILIP J. . . . .	'89	NEW YORK CITY
SKELLY, LAWRENCE P., M.D. . .	'78	SUSQUEHANNA, PA.
SLATTERY, REV. JOHN S. . . . .	'86	ALBANY, N. Y.
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## FORM OF BEQUEST TO MANHATTAN COLLEGE.

---

In the hope that friends of the College and of Christian education will remember the needs of the College, the following form of bequest is appended :

*I give and bequest to Manhattan College, New York City,  
.....dollars,\* to be appropriated by the Trustees for  
the benefit of the College, in such manner as they shall think will be  
most useful.*

---

\*or, "to be added to its Endowment Fund."

or, "to be added to its Scholarship Fund."

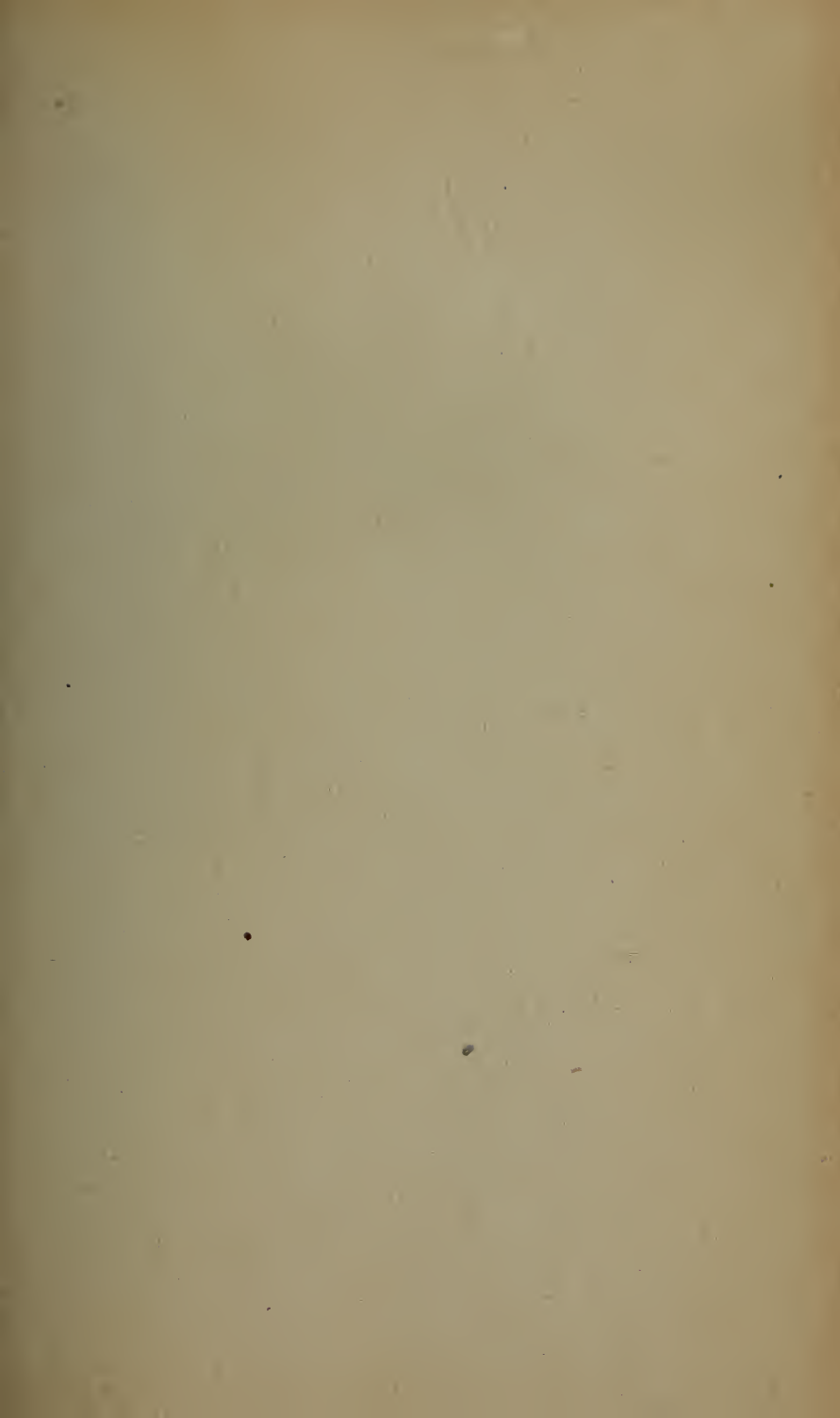
or, "to be added to its Prize Fund."

# INDEX.

	PAGE.
OFFICERS OF THE COLLEGE . . . . .	2
CALENDAR 1897-98 . . . . .	3
GENERAL STATEMENT . . . . .	5
Courses . . . . .	5
Methods . . . . .	5
Pedagogy . . . . .	6
Discipline . . . . .	7
Library . . . . .	7
Museum . . . . .	7
Affiliated Institutions . . . . .	8
COLLEGE DEPARTMENTS . . . . .	9
PRIZES . . . . .	10
Scholarship Foundations . . . . .	10
FEEES . . . . .	11
ARTS DEPARTMENT . . . . .	12
Admission . . . . .	13
Certificates . . . . .	14
Classical Course . . . . .	16
Latin-Science Course . . . . .	18
PEDAGOGY . . . . .	20
State Certificate . . . . .	20
Courses . . . . .	20
COLLEGE BY-LAWS (EXTRACT) . . . . .	21
Examinations . . . . .	21
Thesis . . . . .	22
Degrees . . . . .	22
SCIENCE DEPARTMENT . . . . .	23
Courses . . . . .	23
Admission . . . . .	25
Regents' Certificate . . . . .	26
Civil Engineering . . . . .	27
Electrical Engineering . . . . .	29
Architecture . . . . .	31
English-Science . . . . .	33

BY-LAWS . . . . .	35
Examinations . . . . .	35
Vacation Work . . . . .	35
Field Work . . . . .	35
Excursions . . . . .	36
Thesis . . . . .	36
HIGHER DEGREES . . . . .	37
Master's Degree . . . . .	37
Degree of Civil Engineer . . . . .	37
Courses of Study—Arts . . . . .	37
Courses of Study—Science . . . . .	38
COURSES OF STUDY . . . . .	39
Architecture . . . . .	40
Astronomy . . . . .	41
Chemistry . . . . .	41
Drawing . . . . .	42
Electricity . . . . .	42
Engineering . . . . .	43
English . . . . .	46
French . . . . .	47
Geology . . . . .	48
German . . . . .	49
Greek . . . . .	50
History . . . . .	50
Latin . . . . .	52
Mathematics . . . . .	53
Mechanics . . . . .	53
Pedagogy . . . . .	54
Philosophy . . . . .	56
Physics . . . . .	57
ACADEMIC DEPARTMENT . . . . .	59
Admission . . . . .	60
Examinations . . . . .	60
Reports . . . . .	61
Home Study . . . . .	61
Attendance . . . . .	62
Courses . . . . .	63
SPECIAL LATIN CLASS . . . . .	65
ACADEMIC COURSES IN FRENCH . . . . .	66
ACADEMIC COURSES IN GERMAN . . . . .	67
COMMERCIAL DEPARTMENT . . . . .	69
Statement . . . . .	70
Courses . . . . .	72

COLLEGE SOCIETIES . . . . .	76
The Alumni Society . . . . .	76
Class Societies . . . . .	77
LECTURES . . . . .	80
CLASS EXERCISES . . . . .	83
COMMENCEMENT EXERCISES . . . . .	94
Degrees Conferred . . . . .	95
Purse and Prizes . . . . .	98
STUDENTS' ROLL . . . . .	100
GRADUATE LIST . . . . .	107







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COLLEGE

NEW YORK CITY

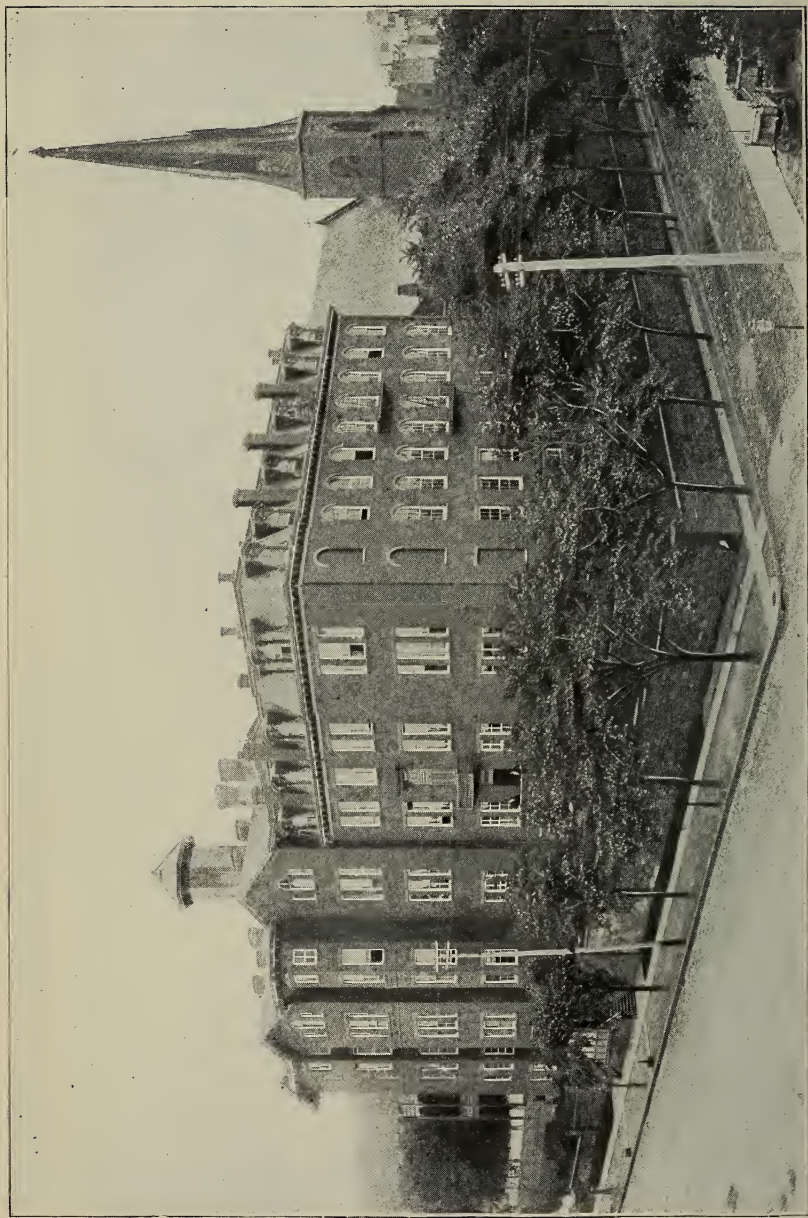
CATALOGUE

1897-98

95



THE  
JOHN CRERAR  
LIBRARY.



THE COLLEGE AS SEEN FROM THE BOULEVARD

UNIVERSITY OF THE STATE OF NEW YORK

# MANHATTAN COLLEGE

GRAND BOULEVARD AND 13<sup>TH</sup> STREET

NEW YORK

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CONDUCTED BY

THE BROTHERS OF THE CHRISTIAN SCHOOLS

1897-98

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TREASURER

# CALENDAR FOR 1898—99.

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1898.

- September 6—Tuesday—Entrance Examinations.
- September 7—Wednesday Class Exercises begin.
- September 12—Monday—Mass of Invocation.
- September 26—Monday—College Societies reorganize.
- October 3—Monday—Weekly Elocution Classes begin.
- October 12—Wednesday—Fall Games ; holiday.
- October 17—Monday to Wednesday (incl.), Annual Retreat.
- October 19—Subject of Essay for Alumni Prize announced.
- October 26—Wednesday—Inauguration of the Alumni Winter Course of Lectures.
- November 1—Tuesday—Feast of All Saints ; holiday.
- November 2—Wednesday—All Souls' Day.
- November 24—Thursday—Thanksgiving Day. Literary Exercises, Freshman Class.
- December 8—Thursday—Feast of the Immaculate Conception ; holiday.
- December 23—Friday—Seniors' Day.
- December 24—Christmas Recess begins.

1899.

- January 4—Wednesday—Christmas Recess ends.
- January 11—Winter Course of Lectures resumed.
- January 16—Winter Examinations begin.
- February 1—Wednesday—Second College Term begins.
- February 12—Sunday—Lincoln's Day—Juniors' Day.

February	22—Washington's Birthday—First Elocution Contest, Senior Class.
March	17—Friday—St. Patrick's Day; holiday. Sophomores' Day.
April	1—Easter Recess begins.
April	7—Friday—Class Exercises resumed.
May	4—Thursday—Feast of the Blessed De La Salle. Ora- torical Contest, Senior Class.
May	11—Thursday—Ascension Day; holiday.
May	30—Tuesday—Decoration Day; Memorial Services for the Deceased Alumni; Prize Speaking, Academic Department.
June	8—Thursday—June Examinations begin.
June	20—Tuesday—Reading of Theses for Degrees.
June	22—Thursday—Prize Examinations begin.
June	27—Tuesday—Prizes for Undergraduates.
June	28—Wednesday—Commencement Day.

# MANHATTAN COLLEGE.

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## GENERAL STATEMENT.



MANHATTAN COLLEGE was opened in 1849 as an academy for young men desiring advanced instruction. From its location in Canal street, it was transferred in 1853 to its present site on the Grand Boulevard. It was then known as the Academy of the Holy Name, and it was only some years later that the present title was adopted. In 1863 the Institution was incorporated as a College by the Regents of the University of the State of New York, with power to confer the usual academic degrees.

**COURSES.** The College offers two departments of study, each comprising several courses leading to degrees. The object of this Institution is to afford the student means of receiving the highest grade of liberal training. It aims at forming the Christian gentleman and good citizen, while at the same time, the several courses of study afford the necessary preparation for the various walks of life. The College is situated within easy reach of the public libraries of the city, the art galleries and the various collections in zoölogy and geology.

**ARTS.** The Department of Arts offers two courses—the Classical and the Latin-Science. These two courses lead to the degree of Bachelor of Arts. The conditions governing admission, together with the special studies required for each course, will be found under their proper headings in the catalogue.

**SCIENCE.** The courses in the Science Department are four in number, viz.: Civil Engineering, Electrical Engineering, Architecture and the English-Science course. The training in this department is of a technical character, and the studies lead to the degree of Bachelor of Science in the respective courses.

**METHODS.** The methods in use are those generally adopted in institutions directed by the Brothers of the Christian schools. They are the fruit of years of observation, comparison, and trial, improved and extended by experience.

Care is taken that every branch prescribed be thoroughly studied, and that nothing be learned merely by rote. With this view, the students discuss the subject-matter of each lesson in class, independently of the language of the text-book, criticise one another's work and give free expression to their opinion on all points open to debate. They thus acquire ideas instead of mere words, they digest what they learn, and develop thoughtfulness, self-reliance and facility of expression.

Since the vernacular language and literature constitute an essential feature of a sound education, special attention is given to their study, and no effort is omitted to make the students proficient in speaking and writing the English language.

The great importance of science subjects in a system of instruction which aims at being in accordance with the trend of modern ideas has been carefully kept in view. The programme embraces the leading requirements in Physics, Chemistry, Geology and Physiology, a fair knowledge of which subjects is considered essential to a liberal education.

In the interest of students who intend to embrace the teaching profession, a course in Pedagogy and the History of  
**PEDAGOGY.** Education has been added to the Arts course. Facilities are offered for acquiring a good knowledge, not only of the science of Pedagogy, but also of the art of teaching. The work done in this course will receive full recognition from the Department of Public Instruction.

Besides the college proper, there is an Academic Department.  
**ACADEMIC** The course requires four years, and prepares the student for the Freshman class. The grade of work is  
**DEPARTMENT.** that of the ordinary high school, requiring for admission a well-grounded grammar course. From this department the student may enter any of the college courses; or if unable to devote sufficient time to academic subjects, may enter the Commercial course.

The Commercial course provides for the wants of young men who intend to engage in mercantile pursuits. All the subjects that are considered necessary for a comprehensive modern business training are included in the programme, to which are added courses of general instruction in Mathematics and Natural Science.  
**COMMERCIAL**  
**DEPARTMENT.**

Younger students who desire to prepare for the Academic Department and thereby for the College proper, are received into the Preparatory Department. The studies cover the matter usually taught in the best grade grammar schools. Pupils are received in this department from the age of eight years, and are entirely separated from the other students, having separate study hall, dining-room, and recreation-room.

The College being conducted by a religious body, it is hardly necessary to say that every attention is bestowed on the moral and religious training of the student. Christian doctrine is taught in all the classes of the Collegiate, Academic and Commercial Departments. Regular attendance to religious duties is required of all students. Whilst the College is Catholic in its tone and teaching, non-Catholic students are received ; but, for the requirements of discipline, they are expected to conform to the general regulations of the College. For discipline the College authorities rely on moral influence and advice to secure that propriety of conduct and diligence in study which should ever characterize the young Catholic gentleman.

The session begins on the first Tuesday in September and ends the last Wednesday in June. It is divided into two terms, beginning respectively on the first Tuesday in September and on the first day of February.

Students may attend either as Day Scholars or reside in the College, subject to regulations necessary for the maintenance of good order and discipline.

The daily class-session opens at 8.30 A. M. and ends at 3:30 P. M. A recess of one hour and a quarter is taken towards noon. Punctual attendance is required of all students.

The Library contains nearly 11,000 volumes, and additions are regularly made to keep the general reference section abreast of modern development. It is open from 8 A. M. to 9 P. M., and the students are permitted free access to its shelves. The best current periodicals are received and placed on file.

The College Museum contains a large collection of typical minerals, an extensive cabinet of zoölogy and conchology and a herbarium of the flora of the vicinity.

The geological collection contains a large number of specimens that will repay close study. The laboratories of Chemistry and Physics afford the student ample opportunities to examine for himself the principles explained in the lecture-room.

The course of studies adopted by the institutions affiliated to Manhattan College is almost identical with that pursued by the Academic Department of the College, and thus offers to students graduating from them the privilege of entering the College without further examination. Students from these institutions who desire advanced standing must satisfy the Board of Examiners that their previous studies qualify them for the class which they desire to enter.

AFFILIATED  
INSTITUTIONS.

## MANHATTAN COLLEGE COMPRISES:

1. THE COLLEGE PROPER, consisting of:
  - a.* THE ARTS DEPARTMENT.
  - b.* THE SCIENCE DEPARTMENT.
2. THE ACADEMIC DEPARTMENT.
3. THE COMMERCIAL DEPARTMENT.
4. THE PREPARATORY SCHOOL.
5. THE AFFILIATED INSTITUTIONS:
  - DE LA SALLE INSTITUTE, New York City.
  - LA SALLE ACADEMY, New York City.
  - LA SALLE INSTITUTE, Troy, N. Y.
  - CHRISTIAN BROTHERS' ACADEMY, Albany, N. Y.
  - LA SALLE ACADEMY, Providence, R. I.
  - SACRED HEART ACADEMY, Westchester, N. Y.
  - ST. JOSEPH'S COLLEGIATE INSTITUTE, Buffalo, N. Y.
  - ST. JOSEPH'S HIGH SCHOOL, Manchester, N. H.
  - ST. JAMES' HIGH SCHOOL, Brooklyn, N. Y.

## PRIZES.

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1. The Alumni of Manhattan College offer yearly a purse of Fifty Dollars for the best English essay. This prize is open to the students of the Senior class, and the subject for the essay is announced at the beginning of October each year.

ALUMNI PRIZE.

2. THE MILMO-MCGOWAN MEDAL for Religious Instruction, founded by Mrs. B. McGowan, in memory of her son, Michael J. McGowan, '69, is open to all the students of the College classes. The examination takes place in June.

3. THE KELLY MEDAL for Philosophy, open to the students of the Senior class, was founded by the late Mr. Eugene Kelly of New York City. The conditions governing this medal are announced in the course of each year towards the opening of the second term.

4. THE GRADY MEMORIAL MEDAL for Oratory was founded by the Alumni Society in honor of their president, Rev. John M. Grady, '69. Two contests are held for this medal: the preliminary, on Washington's Birthday, open to the students of the Senior class; the final, held on May 4th, open to those competitors who receive the highest mark in the first contest.

5. THE DEVLIN MEDAL for Classics, founded by Mr. Charles E. Miller, of New York City, in honor of his friend and partner, Mr. John E. Devlin, is offered in competition to the students of the College classes. The special matter forming the subject of examination is announced each year, towards the end of the first term.

6. THE HOGUET MEDAL for Mathematics, the gift of the late Mr. Henry L. Hoguet, is offered in competition to all the students of the College classes. This medal is awarded on the merits of a series of papers written during the year.

7. THE LAVELLE MEDAL for Latin Composition is yearly offered by the Rev. Michael J. Lavelle, LL.D., '73, Rector of St. Patrick's

Cathedral, New York City. This prize is open to the students of all the College classes except the Senior class.

The subject is not announced until the students are assembled for the competitive examination. In determining the merits of the papers, not only the grammatical and idiomatic correctness of the essay is taken into account, but also its excellence from a literary standpoint.

8. THE MITCHELL MEDAL, founded by the Alumni and friends of the late Rev. James H. Mitchell, LL.D., '74. This medal is awarded to the student of the Senior class, who attains the highest average in the study of the Philosophy of History.

9. THE DOELGER SCHOLARSHIP, founded by Mr. Peter Doelger, of New York City, is awarded by the President of the College to some deserving student.

In connection with the above, it is the desire of the Faculty to call attention to the conditions necessary to found a scholarship. The amount required for a day student is fifteen hundred dollars and six thousand dollars for a boarder. This gives the founder the right to keep in perpetuity one student at the College. Students enjoying the privilege of a scholarship are expected to keep a satisfactory rank in their respective classes.

## FEES.

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Board, Tuition, Physician's Fee, Washing, per session of ten months, . . . . .	\$350 00
Day Students ; Collegiate and Commercial Departments, . . . . .	100 00
"    Academic Department, . . . . .	75 00
"    Dinner at College, . . . . .	60 00
Vacation at College, . . . . .	50 00
Use of Laboratory and Apparatus, Scientific Department, . . . . .	5 00
Use of Typewriter, . . . . .	5 00
Music : Piano, \$80. Other Instruments, \$50.	
Graduation Fee, . . . . .	10 00
Certificate Fee, . . . . .	5 00

For the support of Athletics the student body levies a tax of Five Dollars on every member of the respective classes.

Payment of the Half Session of five months is required in advance.

Remittances from outside New York City are to be made by draft or by post-office order payable at Station J.

No money will be advanced to students for clothing or other incidentals unless a sufficient sum be deposited with the Treasurer to meet such expenses.

The pocket money of the students may be deposited with the Treasurer.

## ARTS DEPARTMENT.

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This Department offers two courses :

1. THE CLASSICAL COURSE.
  2. THE LATIN-SCIENCE COURSE.
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Each course extends over a period of four years.

For conditions of admission to these courses see below.

The Classical course requires both Latin and Greek.

While the Classics receive special attention in these courses, English and Mathematics are carefully cultivated. The Natural Sciences studied include Chemistry, Physiology, Physics and Geology.

Philosophy may be studied in Latin or in English, at the option of the student, but no change from one to the other will be permitted.

In the Latin-Science course the main portion of the programme studies is similar to that of the Classical course.

The student, however, is not required to continue the study of Greek, but may substitute therefor courses in the Sciences and in Mathematics.

Students successfully completing either of these courses receive the degree of Bachelor of Arts.

## REQUIREMENTS FOR ADMISSION, ARTS DEPARTMENT.

The requirements stated below are those laid down by the Regents of the University of the State of New York.

1.—ENGLISH. All candidates for admission to the Freshman class must pass a written examination in English, and no candidate will be admitted whose knowledge of spelling, punctuation and diction is seriously defective.

READING.—A certain number of books are set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the book. In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books selected for reading, are :

1898: *Paradise Lost*, Books I and II; *Iliad*, Books I and XXII; *The Sir Roger de Coverly Papers*; *The Vicar of Wakefield*; *Ancient Mariner*; *Life of Nelson*; *Essay on Burns*; *Vision of Sir Launfal*; *The House of the Seven Gables*.

1899: *Palamon and Arcite*; *Iliad*, Books I, VI, XXII and XXIV; *The Sir Roger de Coverly Papers*; *The Vicar of Wakefield*; *Ancient Mariner*; *The Flight of a Tartar Tribe*; *The Last of the Mohicans*; *Vision of Sir Launfal*; *The House of the Seven Gables*.

1900: *Palamon and Arcite*; *Iliad*, Books I, VI, XXI and XXII; *The Vicar of Wakefield*; *Ivanhoe*; *The Flight of a Tartar Tribe*; *The Last of the Mohicans*; *The Princess*; *Vision of Sir Launfal*; *The Sir Roger de Coverly Papers*.

1901: *Ivanhoe*; *Iliad*, Books I, VI, XXII and XXIV; *The Sir Roger de Coverly Papers*; *The Vicar of Wakefield*; *The Last of the Mohicans*; *The Princess*; *Ancient Mariner*; *Silas Marner*; *The Merchant of Venice*.

1902: *Ivanhoe*; *Iliad*, Books I, VI, XXII and XXIV; *The Sir Roger de Coverly Papers*; *The Vicar of Wakefield*; *The Last of the Mohicans*; *The Princess*; *Ancient Mariner*; *Silas Marner*; *The Merchant of Venice*.

STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form, and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and on leading facts in those periods of English literary history to which the prescribed books belong.

The books selected for study and practice, 1898 to 1902, inclusive are:

1898: *Macbeth*; *Speech on Conciliation with America*; *The Flight of a Tartar Tribe*; *The Princess*.

1899: *Macbeth*; *Paradise Lost*, Books I and II; *Speech on Conciliation with America*; *Essay on Burns*.

1900: *Macbeth*; *Paradise Lost*, Books I—II; *Speech on Conciliation with America*; *Essay on Milton and Addison*.

1901: *Macbeth*; *Speech on Conciliation with America*; *Essay on Milton and Addison*; Milton's Minor Poems: *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*.

1902: *Macbeth*; *Speech on Conciliation with America*; *Essay on Milton and Addison*; Milton's Minor Poems: *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*.

2. LATIN.—Grammar, Allen & Greenough's or equivalent, including Prosody. Cæsar, *Gallic War*, Books I—IV. Cicero, six orations. Reading at sight of a short passage of easy Latin prose. Virgil, *Æneid*, Books I—VI. Latin Prose Composition.

3. GREEK.—Grammar, Goodwin's or equivalent, including Prosody. Xenophon, *Anabasis*, Books I—III. Homer, *Iliad*, Books I—III. Greek Prose Composition, Jones' twenty exercises or equivalent.

The principal aim of the examination for entrance to the Classical course is to ascertain whether the student is sufficiently prepared to undertake with profit the higher branches of study rather than to see whether he has read a fixed amount of matter.

4. MATHEMATICS.—Arithmetic, complete, including the Metric System. Algebra, through Quadratics. Geometry, Wentworth's, Books I–V, or equivalent.

5. HISTORY.—Greek History, to the death of Alexander the Great; Roman History, to the accession of Constantine; United States History.

6. GEOGRAPHY.—Historical Geography of Greece, Rome and the United States. Modern Geography.

7. PHYSICS.—Elements of Natural Philosophy.

**LATIN-SCIENCE COURSE.** The requirements for admission to this course are the same as for the Classical course.

**CERTIFICATES.** Students from affiliated schools presenting certificates of having satisfactorily completed the course of studies in said schools, will be admitted to the corresponding class in the College without further examination.

Certificates of the Regents of the University of the State of New York may replace the examination for admission, provided they have been issued within the year, or the candidate has a certificate of continued study since their date of issue. The candidate will, however, be examined upon such subjects as are not covered by Regents' certificates.

Candidates who fail in some of the entrance requirements may be permitted to join the Freshman class conditionally, but all such conditions must be removed by the end of the first term of the Freshman year.

Candidates who desire to obtain advanced standing must furnish satisfactory proof of their ability to follow the class which they desire to enter.

## CLASSICAL COURSE.

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### FRESHMAN CLASS.

LATIN.—Prose Composition (Latin E).

Reading. First Term (Latin A).

Second Term (Latin D).

History. (Latin C).

GREEK.—Prose Composition. (Greek D).

Reading. First Term (Greek A).

Second Term (Greek B).

ENGLISH.—Rhetoric. (English A).

Selections. (English K).

Ancient History. (History A and B).

Exercises in Outlining Subjects. (English A).

PHYSICS.—(Physics B).

MATHEMATICS.—First Term (Mathematics A).

Second Term (Mathematics B).

FRENCH OR GERMAN.

RELIGIOUS INSTRUCTION.

### SOPHOMORE CLASS.

LATIN.—Prose Composition (Latin I).

Reading. First Term (Latin F).

Second Term (Latin H).

GREEK.—Prose Composition. (Greek I).

Reading. First Term (Greek E).

Second Term (Greek G).

ENGLISH.—Literature. (English D and J).

Reading—Selections to illustrate *Books and Reading*.

Essays. (English B.)

Modern History. (History C and D).

NATURAL HISTORY.—Botany.

ELEMENTARY CHEMISTRY.—(Chemistry A).

MATHEMATICS.—First Term (Mathematics C and D).

Second Term (Mathematics E).

FRENCH OR GERMAN.

RELIGIOUS INSTRUCTION.

## CLASSICAL COURSE.

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### JUNIOR CLASS.

LATIN.—Prose Composition (Latin N).

Reading. First Term (Latin J).

Second Term (Latin L).

GREEK.—Prose Composition (Greek M).

Reading. First Term (Greek J).

Second Term (Greek L).

ENGLISH.—Oratorical Composition (English C).

Reading (English E).

Modern History (History E).

NATURAL SCIENCE.—Physiology.

PHYSICS.—(Physics C).

PHILOSOPHY.—(Philosophy A and B).

MATHEMATICS.—(Mathematics G).

FRENCH OR GERMAN.

EVIDENCES OF RELIGION.

### SENIOR CLASS.

LATIN.—Prose Composition (Latin S).

Reading. First Term (Latin O).

Second Term (Latin Q).

GREEK.—Prose Composition (Greek P).

Reading. First Term (Greek N).

Second Term (Greek O).

ENGLISH.—Literature (English E and G).

Political Economy (English O).

Philosophy of Literature (English N).

Philosophy of History (History I).

PHILOSOPHY.—First Term (Philosophy C, D, F).

Second Term (Philosophy E, G, H).

NATURAL SCIENCE.—First Term (Geology A).

Second Term (Astronomy A).

FRENCH OR GERMAN.

EVIDENCES OF RELIGION.

THESIS.

## LATIN—SCIENCE COURSE.

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### FRESHMAN CLASS.

- LATIN.—Prose Composition (Latin E).  
Reading. First Term (Latin A).  
Second Term (Latin D).  
History (Latin C).
- ENGLISH.—Rhetoric. (English A).  
Selections. (English K).  
Ancient History (History A and B).
- PHYSICS.—(Physics B).
- ELEMENTARY CHEMISTRY.—(Chemistry C).
- MATHEMATICS.—First Term (Mathematics A).  
Second Term (Mathematics B).
- FRENCH OR GERMAN,
- RELIGIOUS INSTRUCTION.

### SOPHOMORE CLASS.

- LATIN.—Prose Composition (Latin I).  
Reading. First Term (Latin F).  
Second Term. (Latin H).
- ENGLISH.—Literature (English D and J).  
Reading—Selections to illustrate *Books and Reading*.  
Modern History (History C and D).
- ANALYTICAL CHEMISTRY.—(Chemistry B).
- MATHEMATICS.—First Term (Mathematics C and D).  
Second Term (Mathematics E).
- MECHANICS OF FLUIDS AND SOLIDS.—(Mechanics D).
- NATURAL SCIENCE.—Botany.
- RELIGIOUS INSTRUCTION.
- FRENCH OR GERMAN.

## LATIN—SCIENCE COURSE.

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### JUNIOR CLASS.

LATIN.—Prose Composition (Latin N).

Reading. First Term (Latin J).

Second Term (Latin L).

ENGLISH.—Oratorical Composition (English C).

Reading (English E).

Modern History (History E).

PHILOSOPHY.—(Philosophy A and B).

MATHEMATICS.—First Term (Mathematics F).

Second Term (Mathematics G).

NATURAL SCIENCE.—Physiology.

PHYSICS.—(Physics B).

QUANTITATIVE ANALYSIS (Chemistry D).

FRENCH OR GERMAN.

EVIDENCES OF RELIGION.

### SENIOR CLASS.

LATIN.—Prose Composition (Latin S).

Reading. First Term (Latin O).

Second Term (Latin Q).

ENGLISH.—Literature (English E and G).

Political Economy (English O).

Philosophy of Literature (English N).

Philosophy of History (History I).

PHILOSOPHY.—First Term (Philosophy C, D, F).

Second Term (Philosophy E, G, H).

PHYSICS.—(Physics E).

NATURAL SCIENCE.—First Term (Geology A).

Second Term (Astronomy A).

METALLURGY.—(Chemistry E and F).

EVIDENCES OF RELIGION.

## PEDAGOGY.

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The course in Pedagogy embraces Logic, Psychology, History of Education, Principles of Education, Theory and Practice of Teaching.

The regular College work in Logic and Psychology satisfies the requirements of this course ; the examinations in both these subjects are submitted for approval to the Superintendent of Public Instruction.

The examination in the History of Education and the Principles of Teaching is held under the immediate direction of the State Superintendent.

Upon completing a satisfactory examination in the two last named subjects the candidate receives a license to teach for three years, and if successful experience can be demonstrated at the end of that period, the provisional license may be exchanged for a life certificate to teach.

The candidate must have received the percentage required for a first-grade certificate in the uniform examinations prior to his entrance upon the course in Pedagogy.

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The requirements for the first-grade uniform examinations under the control of the State Department of New York, are  
STATE  
CERTIFICATE. as follows : Arithmetic, Algebra, American History, Bookkeeping, Civil Government, English Composition, Ancient History, Drawing, Physics, Geography, Grammar, Methods and School Economy, Physiology and Hygiene, School Law.

For detail of matter required see Syllabus published by the Department of Public Instruction of the State of New York.

The courses offered to the students in Pedagogy  
COURSES. are :

JUNIOR YEAR.—Logic.

History of Educational Theories and Institutions.  
Principles of Education.

SENIOR YEAR.—Psychology.

Ethics.  
School Management.  
Theory and Practice of Teaching.  
Methods of Teaching Various subjects.

## EXTRACT FROM COLLEGE BY-LAWS.

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Every candidate for admission must present a certificate of good moral character ; and, if he come from another institution, a letter of honorable dismissal.

CERTIFICATE.

At the beginning of the first year, each student elects the course which he desires to follow, and no student may afterwards change his course without the permission of the faculty.

ELECTION.

Punctuality at all the exercises is strictly required. Non-attendance at the opening of a course will be counted half an absence, and no student who has exceeded the prescribed limit of absences for a given subject will be entitled to take examination in that subject.

ATTENDANCE.

Examinations are held semi-annually in January and June, in all the subjects studied during the intervening period. Special examinations may be held at the option of the Professor.

EXAMINATIONS.

Absence from an examination, unless excused by the Faculty, will be considered a failure.

Should a student fail in one of the prescribed examinations, he may be permitted to take another examination at the opening of the following term, or at such time as may be agreed upon with his Professor ; but all such examinations must be supplied before the opening of the following school term.

The names of students who fail to comply with this regulation will be dropped from the class-roll.

The final standing of each student is determined by his examination results together with the average of his year's class-marks in each subject.

FINAL  
STANDING.

Every candidate for a degree is required to present a written thesis on a subject connected with his course. The

**THESIS.** subject selected must be submitted for approval to the

Professor of the department to which it belongs, on or before February 1st. Such help and guidance may be offered the candidate as the Professor shall judge right, and the completed thesis shall be handed in for approval on, or before May 30th.

No thesis shall contain less than two thousand words, unless the reasons adduced are satisfactory. Theses must be typewritten. All approved, theses become the property of the College and are placed in charge of the Librarian.

If a student fail to present his thesis, or if the thesis be rejected, he shall not be recommended for his degree.

No degree or other testimonial will be conferred on any student unless the prescribed course of study shall have been

**DEGREES.** completed, and satisfactory evidence of proficiency in the various subjects shall have been given.

The degree of Bachelor of Arts will be conferred on the successful completion of the Classical or the Latin-Science course.

The degree of Bachelor of Science will be conferred on students who successfully complete the English-Science course, the course in Civil Engineering, Electrical Engineering or Architecture.

At the discretion of the Faculty, a certificate of proficiency may be given to a student who has followed, under the di-

**CERTIFICATES.** rection of the Faculty, a special course of one or more subjects, and who gives evidence of satisfactory proficiency.

A Certificate is granted to students who satisfactorily complete the Commercial Course as a guarantee of their fitness for mercantile employment.

## SCIENCE DEPARTMENT.

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The courses in Engineering offered by the Science Department of  
COURSES Manhattan College have for object to render young men  
familiar with the theoretical and practical work required  
for students who intend to follow some one of the various departments  
of Engineering. The work is planned to give the student a liberal edu-  
cation, while enabling him, after graduating, to derive immediate  
profit from the practical experience of his professional career.

The following courses are offered :

- I. CIVIL ENGINEERING.
- II. ELECTRICAL ENGINEERING.
- III. ARCHITECTURE.
- IV. THE ENGLISH-SCIENCE.

These courses cover a period of four years each, and demand a thor-  
ough preparation on the part of the student, as tested by the entrance  
requirements given hereafter.

The course of Civil Engineering comprises Surveying, Road and  
Railroad Engineering, Bridge Engineering, Hydraul-  
CIVIL ENGINEERING. ics and Water Works, Study of Motors—air, steam  
and electrical.

In the different courses the work is essentially theoretical and  
practical. The lectures of the class-room are supplemented by practi-  
cal work in the field and by visits to places of interest in the vicinity.

In the Electrical Engineering course, a large amount of laboratory  
work is required and is counted as an integral part of  
ELECTRICAL ENGINEERING. the course. Great stress is placed on the mathematics  
prescribed, so as to enable the young men to grapple  
successfully with the practical problems that occur in the applications  
of electricity. Drawing is also extended through the various years of  
the course, and designs of several types of machines are executed in  
full detail.

The first years of the Course in Architecture are closely allied to  
those of Civil Engineering. In the second year, how-  
ARCHITECTURE. ever, some of the branches are dropped and are supplied  
by others more closely connected with architecture. In the last years  
the work is more of a professional character. The subject of design  
and construction is studied in detail, and working drawings and esti-

mates made for original structures. The Heating and Ventilation of buildings receive special attention, while the many structures continually in course of erection allow ample facilities for inspection and comparison.

In the English-Science course, Latin and Greek are replaced by advanced French and German. The entrance requirements presuppose a three years' Academic course in these languages. Approved versions of the best ancient classics are read, commented upon and compared with corresponding masterpieces of English literature. A large amount of Mathematics and Science is required of students in this course.

The studies of the four years lead respectively to the degrees of  
Bachelor of Science in Civil Engineering,  
Bachelor of Science in Electrical Engineering,  
Bachelor of Science in Architecture,  
Bachelor of Science.

## ADMISSION REQUIREMENTS.

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ADMISSION SUBJECTS. The subjects for admission to the courses in Civil Engineering, Electrical Engineering and Architecture are as follows ;

ENGLISH.—Ability to write with ease and correctness a short composition on a given subject, is required of all Applicants.

Candidates must also show a general acquaintance with the works set forth in the requirements for English in the Arts course. (See page 14.)

HISTORY.—The following courses of history may be presented : History of the United States and (a) History of England, or (b) History of France, or (c) History of Greece and Rome.

The following works will serve to show the knowledge expected in History : Montgomery's *History of the United States* ; Kearney's *Compendium of History* ; Allen's *History of the Roman People* ; Oman's *History of Greece*.

MATHEMATICS. *Algebra*.—This includes Factors, Fractions, Ratio and Proportion, Progressions, Evolution, Radicals, Equations of the first and second degrees. The matter is equivalent to that covered by Wentworth's *School Algebra*.

*Geometry*.—Plane and Solid Geometry, with easy exercises and practical applications. Wentworth's *Plane and Solid Geometry*.

*Trigonometry*.—Plane. Use of tables. Solutions of right-angled and oblique-angled triangles. Applications to practical problems.

PHYSICS.—A course of general Physics, with laboratory practice. The amount required is about that contained in Avery's *Elements of Natural Philosophy*, or Gage's *Elements of Physics*, omitting the more advanced parts in each section.

CHEMISTRY.—A course of general Inorganic Chemistry, such as Avery's *Elements of Chemistry*, or some equivalent text-book.

FRENCH OR GERMAN.—Ability to read and translate passages from French or German into English, together with an elementary knowledge of French or German Grammar.

For the ENGLISH-SCIENCE COURSE, the requirements correspond to those given for the Arts Department. Instead of Latin and Greek, however, three years' work in French and German is required.

A certificate of the Regents of the University of the State of New YORK will be received in lieu of the entrance examination, provided it has been issued within the year, or that the candidate has a certificate of continued study since its date of issue. The candidate will, however, be examined on such branches as are not included in the Regents' certificate.

Students from affiliated institutions, on presentation of certificates testifying to their having satisfactorily completed the course of studies in those institutions, will be admitted without further examination.

Candidates desiring it may divide their examinations into two parts, one to be presented in June and the other in September of the *same* year.

Candidates for advanced standing must pass the examination as stated for entrance, together with the subjects studied by the class up to the period at which they enter, or present satisfactory evidence of their being able to follow the class with advantage.

Students failing in one or more of the entrance subjects may be permitted to join the classes conditionally, but will be expected to satisfy the requirements as soon as possible. All conditions in Mathematics must be satisfied at the end of the first term, and no student will be advanced with his class who has any condition to be complied with at the opening of the following year.

Candidates presenting French at entrance are required to continue it for one year, after which they take German, or *vice versa*. A fair working knowledge of these languages, rather than an acquaintance with their technicalities, is all that is sought.

## COURSE IN CIVIL ENGINEERING.

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### FIRST YEAR.

ALGEBRA—First Term. (Mathematics B).

TRIGONOMETRY.—Second Term, First Part. (Mathematics D).

PLANE ANALYTICAL GEOMETRY.—Second Term. (Mathematics E).

DESCRIPTIVE GEOMETRY.—Second Term. (Drawing D).

ENGLISH.—(English A and K).

HISTORY.—(History A and B).

PHYSICS.—(Physics B).

SURVEYING.—(Engineering A.)

MECHANICAL DRAWING.—(Drawing A and B).

ADVANCED FRENCH OR GERMAN.

RELIGIOUS INSTRUCTION.

SUMMER WORK—Drawing ; Field Work.

### SECOND YEAR.

SOLID ANALYTICAL GEOMETRY—(Mathematics F).

CALCULUS.—(Mathematics G).

GEODESY.—First Term. (Engineering C).

QUALITATIVE ANALYSIS.—First Term. (Chemistry B).

ENGLISH.—(English B, D and J).

ANALYTICAL MECHANICS.—Second Term. (Mechanics D).

ROAD ENGINEERING.—Second Term. (Engineering B).

FOUNDATIONS AND TIMBER STRUCTURES—(Engineering D and E).

STEREOTOMY.—(Drawing C).

FRENCH OR GERMAN.

BUILDING MATERIALS.—Second Term. (Geology C).

RELIGIOUS INSTRUCTION.

SUMMER WORK—Memoir ; Field Work.

## COURSE IN CIVIL ENGINEERING.

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### THIRD YEAR.

MECHANICS OF MATERIALS.—Second Term. (Mechanics C).

THEORY OF RAILROAD ENGINEERING.—First Term. (Engineering F).

MASONRY STRUCTURES.—(Engineering G and Geology C).

TUNNELING AND EXCAVATIONS.—Second Term. (Engineering H).

SEWERS.—Second Term. (Engineering I).

PHYSICS.—ELECTRICITY.—First Term. (Physics C).

GRAPHICAL STATICS.—Second Term. (Drawing F).

GEOLOGY.—First Term. (Geology B).

THERMODYNAMICS.—Second Term. (Mechanics B).

DESIGN PROBLEMS.

THEORY OF THE TRUSS.—Second Term. (Engineering J).

PHILOSOPHY.—(Philosophy A and B).

EVIDENCES OF RELIGION.

SUMMER WORK.—Memoir; Field Work.

### FOURTH YEAR.

GEODESY.—Second Term. (Astronomy A and B).

BRIDGES AND BUILDINGS.—(Engineering K).

RAILROAD ECONOMICS.—Second Term. (Engineering L).

HYDRAULICS.—Second Term. (Engineering O).

IRRIGATION AND WATER SUPPLY.—First Term. (Engineering M).

MOTORS.—(Electricity F).

RAILROAD ENGINEERING.—Second Term. (Engineering L).

METALLURGY.—First Term. (Chemistry E and F).

INDUSTRIAL APPLICATIONS OF ELECTRICITY.—First Term. (Electricity J).

CONTRACTS AND SPECIFICATIONS.—Second Term. (Engineering N).

PHILOSOPHY.

DESIGN PROBLEMS.

THESIS.

EVIDENCES OF RELIGION.

## COURSE IN ELECTRICAL ENGINEERING.

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### FIRST YEAR.

ALGEBRA.—First Term. (Mathematics B).

TRIGONOMETRY.—First Term. (Mathematics D).

PLANE ANALYTICAL GEOMETRY.—Second Term. (Mathematics E).

DESCRIPTIVE GEOMETRY.—Second Term. (Drawing D).

ENGLISH LITERATURE.—(English A and K).

PHYSICS.—Heat and Light. (Physics B).

MECHANICAL DRAWING.—(Drawing A and B).

ADVANCED FRENCH OR GERMAN.

ELEMENTARY CHEMISTRY.—(Chemistry C).

RELIGIOUS INSTRUCTION.

### SECOND YEAR.

SOLID ANALYTICAL GEOMETRY AND CALCULUS.—(Mathematics E and F).

QUALITATIVE ANALYSIS.—First Term. (Chemistry B).

MECHANICS OF SOLIDS AND LIQUIDS.—Second Term. (Mechanics D).

ELECTRICITY AND MAGNETISM.—(Electricity A).

APPLICATIONS OF ELECTRICITY.—(Electricity C).

ELECTRICAL STUDIES IN PROBLEMS.—(Electricity B).

LABORATORY WORK.

ENGLISH. (English B, D and J).

FRENCH OR GERMAN.

RELIGIOUS INSTRUCTION.

# COURSE IN ELECTRICAL ENGINEERING.

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## THIRD YEAR.

RESISTANCE OF MATERIALS. (Mechanics C).  
APPLIED MECHANICS.  
THERMODYNAMICS OF STEAM ENGINE. (Physics D).  
GRAPHICAL STATICS. (Drawing F).  
ELECTRICAL ENGINEERING. (Electricity D).  
ELECTRO-CHEMISTRY. (Electricity H).  
ELECTRICAL-MEASUREMENTS. (Electricity E).  
THEORY OF DYNAMOS AND MOTORS. (Electricity F).  
LABORATORY WORK.  
PHILOSOPHY. (Philosophy A and B.)  
MECHANICAL DRAWING. Design Problems.  
DESIGN PROBLEMS. (Electricity G).  
EVIDENCES OF RELIGION.

## FOURTH YEAR.

MACHINERY AND MECHANISM.  
HYDRAULICS. (Engineering O).  
MOTORS.  
ELECTRIC LIGHTING. (Electricity I).  
ELECTRICAL ENGINEERING. (Electricity J).  
ELECTRIC RAILROADS. (Electricity K).  
THEORY OF ALTERNATING CURRENTS.  
LABORATORY WORK. Design Problems.  
PHILOSOPHY.  
CONTRACTS AND SPECIFICATIONS. (Engineering N).  
THESIS.  
EVIDENCES OF RELIGION.

## COURSE IN ARCHITECTURE.

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### FIRST YEAR.

ALGEBRA.—First Term. (Mathematics B).  
TRIGONOMETRY.—First Term. (Mathematics D).  
ANALYTICAL GEOMETRY.—Second Term. (Mathematics E).  
ENGLISH LITERATURE. (English A and K).  
ELEMENTARY CHEMISTRY. (Chemistry C).  
DESCRIPTIVE GEOMETRY. (Drawing D).  
ELEMENTS OF ARCHITECTURE. (Architecture N and J).  
HISTORY OF ANCIENT ARCHITECTURE AND ORNAMENT. (Architecture B and E).  
SURVEYING. (Engineering A).  
ELEMENTARY DESIGN.  
DRAWING—Freehand and Architectural.  
FRENCH OR GERMAN.  
RELIGIOUS INSTRUCTION.

### SECOND YEAR.

SOLID ANALYTICAL GEOMETRY. (Mathematics E). Calculus.  
(Optional).  
PHYSICS. (Physics B.)  
ANALYTICAL MECHANICS. (Mechanics D).  
ENGLISH LITERATURE. (English B, D and J).  
ELEMENTS OF BUILDING CONSTRUCTION. (Architecture H).  
FOUNDATIONS. (Engineering D).  
HISTORY OF MEDIEVAL ARCHITECTURE AND ORNAMENT. (Architecture C and F).  
BUILDING MATERIALS. (Geology C).  
QUALITATIVE ANALYSIS. (Chemistry B).  
DESIGN PROBLEMS. (Architecture L).  
DRAWING : Freehand.  
PERSPECTIVE—Lectures.  
RELIGIOUS INSTRUCTION.

## COURSE IN ARCHITECTURE.

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### THIRD YEAR.

ARCHITECTURAL ENGINEERING. (Architecture K).

STRENGTH AND RESISTANCE OF MATERIALS. (Mechanics C).

DESIGN PROBLEMS IN PLANNING AND CONSTRUCTION.

HISTORY OF MODERN ARCHITECTURE AND MODERN ORNAMENT.  
(Architecture D and G).

FREEHAND DRAWING. Sketching.

HEATING AND VENTILATION. (Architecture M).

ELECTRICITY AND MAGNETISM. (Physics C).

GRAPHICAL STATICS. (Drawing F).

GEOLOGY. (Geology B).

PHILOSOPHY. (Philosophy A and B).

EVIDENCES OF RELIGION.

### FOURTH YEAR.

ADVANCED ARCHITECTURAL HISTORY.

DESIGN AND DECORATION.

CONTRACTS AND SPECIFICATIONS. (Engineering N).

METALLURGY. (Chemistry E and F).

INDUSTRIAL APPLICATIONS OF ELECTRICITY. (Electricity J).

MASONRY STRUCTURES. (Engineering A).

DESIGN PROBLEMS.

PHILOSOPHY. (Philosophy A and B).

HISTORY OF ORNAMENT.

EVIDENCES OF RELIGION.

THESIS.

## ENGLISH-SCIENCE COURSE.

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### FIRST YEAR.

ENGLISH CLASSICS. [English A and K].

Readings. [English P].

FRENCH. [French D].

GERMAN. [German D].

ANCIENT HISTORY. [History A, B and J].

PHYSICS. [Physics B.]

ELEMENTARY CHEMISTRY. [Chemistry A].

MATHEMATICS. First Term [Mathematics A].

Second Term [Mathematics B].

RELIGIOUS INSTRUCTION.

### SECOND YEAR.

ENGLISH ; Classics. [English B, D and J].

Readings. [English Q].

FRENCH. [French E].

GERMAN. [German E].

MODERN HISTORY. [History D and K].

NATURAL HISTORY.—Botany.

CHEMISTRY. [Chemistry B].

MATHEMATICS. First Term [Mathematics D].

Second Term [Mathematics E].

MECHANICS OF FLUIDS AND SOLIDS. [Mechanics D].

RELIGIOUS INSTRUCTION.

## ENGLISH-SCIENCE COURSE.

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### THIRD YEAR.

ENGLISH ; Classics. First Term [English C].

Second Term [English E].

Readings. [English R].

HISTORY. [History L].

FRENCH. [French F].

GERMAN. [German F].

PHILOSOPHY. [Philosophy A and B].

NATURAL SCIENCE. Physiology.

PHYSICS. [Physics C].

MATHEMATICS. First Term [Mathematics F].

Second Term [Mathematics G].

QUANTITATIVE ANALYSIS. [Chemistry D].

EVIDENCES OF RELIGION.

### FOURTH YEAR.

ENGLISH ; Classics. First Term [English S].

Second Term [English E and G].

FRENCH. [French G].

GERMAN. [German G].

CIVICS. [History M].

METALLURGY. [Chemistry E and F].

PHILOSOPHY.

POLITICAL ECONOMY. [English O].

NATURAL SCIENCE. First Term [Geology A].

Second Term [Astronomy A].

PHYSICS. [Physics J].

EVIDENCES OF RELIGION.

THESIS.



SCIENCE DEPARTMENT.

## BY-LAWS.

For details regarding examinations, punctuality, etc., see Extract of College By-Laws, p. 21.

The following notes refer more especially to students in the Science Department.

All drawings forming part of the matter for examination must be handed in at the appointed time, under liability of a deduction of marks.

EXAMINATION.

Absence, without the permission of the Faculty, from an examination will be counted a failure to pass the said examination.

Sixty per cent. of the total marks in each subject constitute a pass, and no student will be entitled to a degree unless he has passed satisfactory examinations in the branches of his course.

Towards the end of each session, subjects for essays and Summer work are assigned to the students. The time for the completion and handing in of these subjects is the first Monday of November for fourth year students, and the first Monday in October for second and third year students.

VACATION WORK.

This work is obligatory on all students, and failure to present it at the specified time renders a student liable to suspension.

Every student is required to attend the classes in field work and the visits made during the session to works and places of interest. The field work affords the students ample facilities to become familiar with the uses and handling of the different instruments explained in the lecture-room. The operations cover all the ordinary cases of field work, each student in turn takes control of the work under the direction of the Professor. The work done is carefully plotted and estimates written out as in actual office work. A line of railroad is run by the students of the Senior year, and all calculations and drawings are carefully worked out.

FIELD WORK.

The College possesses an equipment of engineer's transits, levels, compasses and all necessary accessories for a full course.

The large number of engineering works continually carried on in

**EXCURSIONS.**

New York and vicinity afford the students every opportunity of seeing the applications of the subjects discussed in the class-room, and thereby giving them actual acquaintance with the methods employed. These works are visited by the classes at intervals, and the students are required to make a report of their observations.

In connection with the course of Geology, visits are made to the points of interest in the neighborhood, as also to quarries and mines that lie in the vicinity, and to the extensive collection in the American Museum of Natural History.

A thesis on some topic connected with his special course is required of every student as a necessary part of his final

**THESIS.**

degree examination. All theses must be accompanied by the drawings necessary for illustration. These become the property of the College, and are placed in the library of the Institution. For further details see p. 40.

## HIGHER DEGREES.

Bachelors in either Department may obtain the Master's degree by pursuing an approved course of study and giving satisfactory evidence of proficiency and scholarship. If such post-graduate study is not pursued in the College, the degree will not be conferred until two years after graduation.

Professional study, as such, does not entitle one to the Master's degree, but original research or special and scholarly study, connected with a profession, may, at the discretion of the Faculty, be accepted.

Essays, theses and dissertations, intended for the Master's degree, must be presented at least one month before the end of the academic year.

If a candidate's thesis is approved, he will be informed as to the time when he will be required to meet the Board of Examiners for any further test of his qualifications which they may deem necessary.

The degree of Civil Engineer will be conferred at the end of one year after graduation as Bachelor of Science in Engineering, on conditions similar to those required for the Master's degree, as stated above.

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## COURSES OF STUDY.

### FOR THE MASTER'S DEGREE.

#### *For Master of Arts.*

Any one of the following courses :

- I. Moral Philosophy, with written theses, making special application of its principles.
- II. Cicero's Tusculan Disputations, *De Naturâ Deorum*, and *De Officiis*, with the History of Ancient Philosophy.
- III. Latin Literature, with translation at sight from any classic author, together with a Latin essay on his work or his age.
- IV. Plato and Aristotle, with the history of the influence of Greek Philosophy on modern thought.
- V. The whole of Thucydides, together with the corresponding portion of the histories of Grote and Curtius; Greek composition.
- VI. Greek Literature, with translations at sight from any classic author, together with a Greek essay on his work or his age.
- VII. Church History. Selections of pregnant periods for research, with essays embodying results of investigation.

VIII. English Literature. Critical analysis of any classic author from the Catholic standpoint.

IX. French Literature, with translations at sight from any classic author, and a French essay on his work or his age.

X. German Literature, with translation at sight from any classic author, and a German essay on his work or his age.

*For Master of Science.*

I. Higher Coördinate Geometry of Two Dimensions; Coördinate Geometry of Three Dimensions.

II. General Theory of Equations.

III. Higher parts of the Integral Calculus; Differential Equations; Calculus of Variations; Calculus of Quaternions.

IV. Rigid Dynamics.

V. Fourier's Theorem and its Applications.

VI. The Wave Theory treated mathematically or experimentally, or both.

VII. Electric Radiation and the Electro-Magnetic Theory of Light.

VIII. Phenomena of Interference, Diffraction and Polarization.

IX. Spectrum Analysis.

X. The Kinetic Theory of Gases.

XI. Conservation and Dissipation of Energy.

XII. Application of the Doctrine of Energy to the Phenomena of Chemical Combination.

XIII. Fundamental and Derived Units and their Dimensions.

XIV. Higher parts of Static and Dynamic Electricity.

XV. Phenomena of Alternating Currents.

XVI. Astronomical Physics.

XVII. Special studies in Civil Engineering.

XVIII. Special studies in Electrical Engineering.

XIX. Special studies in Architecture.

The above division is merely suggestive, being intended to direct the candidate in the choice of a subject for his Master's thesis. It is expected that the treatment of the subject shall be comprehensive and thorough, and shall embody the result of original thought or of experimental investigation, as the case may require.

Published works of the candidate on the subject selected, articles in reviews or scientific periodicals, or contributions to the transactions of learned societies will receive due consideration from the Board of Examiners.



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# COURSES OF STUDY

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## COURSES OF STUDY.

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### ARCHITECTURE.

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A—DESIGN—Problems applying the Elementary Principles of Design and the Rendering of Architectural Drawing.

B—HISTORY OF ANCIENT ARCHITECTURE.—Egyptian, Chaldean, Assyrian, Persian, Jewish, Pelasgic, Greek, Roman and Pompeian Architecture.

C—HISTORY OF MEDIEVAL ARCHITECTURE—The rise of Christian Art, Byzantine, Moorish and the various periods of the Romanesque in Italy, France, England, Germany. The Gothic Art in its different periods in these countries.

D—HISTORY OF MODERN ARCHITECTURE—The dawn of Renaissance in Italy and the Florentine School. Early Renaissance in France, England, Germany. Classical Renaissance. Baroque and Rococo. Greek Revival in England and Colonial Style in America. Classical Revival in Europe. Eclectic style.

E—HISTORY OF ANCIENT ORNAMENT—Study of Examples of Assyrian, Egypt, Greek and Roman Art.

F—HISTORY OF MEDIEVAL ORNAMENT—Alternating every other year with course "G."

G—HISTORY OF MODERN ORNAMENT—Alternating every other year with course "F."

H—ELEMENTARY BUILDING CONSTRUCTION—The Building and Finishing of Structures in Wood, Brick and Stone. Draughting of Plans and Designs.

J—ORDERS OF ARCHITECTURE—Analysis of the Five Orders of Classic Architecture. Exercises in Drawing and Rendering.

K—ARCHITECTURAL ENGINEERING—Principles of Mechanics, as applied in the use of Building Materials, Building Notes, Lectures on Modern Practice in the Erection of Large Buildings.

L—DESIGN PROBLEMS—Developing the Principles in Planning and Construction. Specifications and Working Drawings.

M—SANITARY SCIENCE—Lectures on Heating and Ventilation. Principles of Hygiene as applied in the Construction of Buildings. Plumbing and Drainage.

N—BUILDING MATERIALS—Natural stones, quarrying. Artificial Stones—Bricks, Terra-cotta and Fire-bricks. Brick-making and Brick-kilns. Lime and Cement, Mortar, Concrete, Asphalt, Timber, Cast-iron, Wrought-iron, Steel and other Metal Paints.

O—EMPLOYMENT OF BUILDING MATERIALS—Stone-cutting and Dressing. Masonry Walls, Brick Walls, Compound Walls, Concrete Walls. Joints, Scarfings, Roof-trusses, Floors, Partitions, Windows, Doors and Landings. Rivets, Pins, Girders, Columns.

P—ESSAYS ON ARCHITECTURAL TOPICS.

Second and Third Year students.

Q—ARCHITECTURAL DESIGN—Advanced Problems in Planning and Composition.

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## ASTRONOMY.

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A—DESCRIPTIVE ASTRONOMY—Phenomena depending on the Axial and Orbital Motion of the Earth. Kepler's Laws. Phenomena Depending on Change of Place. Dimensions and Coördination of the Solar System. Tides, Eclipses, Transits.

B—PRACTICAL ASTRONOMY—Construction, Adjustment and Use of the Telescope, Transit and Sextant. Determination of Place and Time.

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## CHEMISTRY.

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A—GENERAL INORGANIC CHEMISTRY—Laws of Chemical Action. Study of the Sources, Properties, Preparation and Uses of the Elements, and their Principal Compounds.

B—QUALITATIVE ANALYSIS—Lectures, Recitations and Laboratory Practice.

C—INORGANIC AND ORGANIC CHEMISTRY—The Study of the Non-Metallic and Metallic Substances; also, some of the Principal Compounds of the Paraffin and Aromatic Series.

D—QUANTITATIVE ANALYSIS.—Short course open to students preparing for Medicine.

E—ASSAYING—Study of Ores and other Metallic Products. Qualitative Tests, Blowpipe Analysis.

F—ASSAYING—Quantitative Assaying. Special and Short Methods of Assaying Ores and Metals.

G—Course in Photography and Radiography.

## DRAWING.

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A—ELEMENTARY MECHANICAL DRAWING—Use of Instruments, Geometrical Problems, Lettering, Plans, Elevations.

B—MECHANICAL DRAWING—Elementary Projections, Intersections, Shades and Shadows. Tinting Drawings, Pen and Ink Sketching, Tracing, Blue Prints.

C—MECHANICAL DRAWING—Stone Cutting and its Applications to Culverts, Sewers, etc. Perspective.

D—DESCRIPTIVE GEOMETRY—Demonstrations and Execution of Eight Plates. Text-book, *Descriptive Geometry* (Faunce).

E—DRAWING—Plots of Survey, Topographical Maps, Contour Maps, Profiles.

F—GRAPHICAL STATICS—Equilibrium Polygons for different loads in Beams and Trusses. Diagram of Shears and Moments in Beams. Applications to Roofs and Trusses.

H—SKETCHING—Drawing in Pencil from Nature and from the Object, Pen and Ink Rendering of Architectural Drawings.

J—SKETCH DESIGN—Problems to be rendered in Sketch form in limited time ; Pen and Ink renderings of Subjects.

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## ELECTRICITY.

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A—LAWS AND PHENOMENA OF ELECTROSTATICS—Influence Machines. Theory and Use of Condensers. The Magnetic Circuit. Theory and Use of the Magnetometer. Determination of the Magnetic Elements. Current Electricity. Primary Batteries. Ohm's Law and its Applications. The Magnetic, Chemical and Thermal Effects of the Current. Mutual Action of Conductors Conveying Currents. The Electromagnet. Inductance. The Induction Coil. Thermo-Electric Generators.

B—PROBLEMS RELATING TO THE ENERGY OF CHARGED BODIES—Mutual Action and the Magnetic Moments of Magnets. The Resistance of Conductors and Grouping of Cells. Division of the Current in a network of Conductors.

C—TELEGRAPHY AND TELEPHONY.

D—ELECTRIC AND MAGNETIC POTENTIAL. Theory of the Tangent and Ballistic Galvanometers; the Electrodynamometer, Electrometer, Ammeters, Voltmeters, Wattmeters, Methods of mapping out the Magnetic Field.

E—MEASUREMENTS of Resistance, Current, Electromotive Force, Capacity, Inductance, Power, Energy. General Electric Testing.

F—THEORY of the Dynamo, Motor and Transformer. Phenomena of Alternating Currents. Alternating-Current Machines.

G—CONSTRUCTION, DESIGN, AND OPERATION OF DYNAMOS, Transformers, Motors, Alternators.

H—ELECTRO-CHEMISTRY. Secondary Batteries.

J—ELECTRIC LIGHTING.—Photometry of Electric Lamps. Electric Welding. Electric Furnace. Electro-Metallurgy.

K—PROBLEMS INVOLVED in the Distribution of Electric Light and in the Transmission of Power.

L—ELECTRIC TRANSMISSION OF POWER; Applications of Power Electrically Transmitted.

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## ENGINEERING.

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A—LAND SURVEYING.—General Principles. Chain Surveying. Compass and Transit Surveying. Use and Adjustments of Instruments. Laying out and Dividing Land. Direct Leveling, Stadia Theory.

Text-book, Gillespie's *Surveying*.

B—ROAD ENGINEERING—Location and Grading of Country Roads. Staking Out of Work. Draining and Protection Works. Maintenance. Foundations. City Streets. Pavements: Stone, Wood, Asphalt, Brick. Tools and Machinery Employed in Road Construction. Specifications and Contracts regarding Roads.

Text-book, Byrne's *Highway Construction*.

C—SURVEYING—Town Work, Topographical Surveys. Hydrographical Surveys. Theory of Mining.

D—FOUNDATIONS—Construction of Timber Foundations. Cofferdams of Timber. Open and Pneumatic Caissons. Trestle Foundations. Piles in Foundations, safe loads on. Economical Considerations in Foundations. Estimates of Cost. Bridge Piers. Methods for Deep Foundations.

Text-book, *Foundations*, Patton.

E—TIMBER STRUCTURES—Culverts. Pile Bents. Frame Bents. Bracing Compound Timber Structures. Trestles on Curves. Floor Details. Connection with Embankment, Derailing Devices, Field Engineering and Erection of Trestle, Design and Estimates for a Completed Trestle.

Text-Book, Foster, *Treatise on Modern Trestle Bridges*.

F—RAILROAD SURVEYING—Reconnaissance and Preliminary Surveys. Organization of Work. Simple and Compound Curves. Turnouts. Cross-section Work. Computation of Earthwork.

Text-book, Searle's *Field Engineering*.

G—MASONRY—Study of Cements, Concrete and Masonry, Theoretical Study of Retaining Walls, Principle and Design of Earth and Masonry Dams of Different Classes, Bridge Abutments, Culverts, Theory of Masonry Arch, Methods of Failure, Tunnels.

Text-book, *Masonry Construction*, Baker.

H—TUNNELING—Tunnels and Open Cuts, Materials for Lining, Pressure, Process of Tunneling, Locating of Centre Lines, Drainage and Ventilation, Estimates on Quantities and Cost, Rapid Transit.

I—SEWERS—Dimensions and Materials Used, Location, Precautions in Construction, Study of Examples, Estimate of Cost, Surface Drainage in Towns and Cities, Separate and Combined Systems, Capacities of Main and Branches, Grade, Flow and Discharge of Sewers.

J—THEORY OF TRUSSES—Truss Elements, Loads and Reactions for Trusses of Various Designs, Influence Lines, and Position of Loads for Maximum Bending Moment. Wheel-Loads and Conventional Systems of Analysis, Stress Strain Diagrams, Secondary Stresses in Trusses, Applications to Highway and Railroad Bridges.

Text-book, *Modern Framed Structures*, Johnson.

K—ROOFS, BRIDGES AND BUILDINGS—Different Classes of Bridges, Riveted Truss or Lattice Bridges, Pin-connected Bridge, Design of Details for Roofs and Bridges, Floor Systems, Lateral and Transverse Bracing. The Plate Girder in Detail, Swing Bridge, different kinds, End-Lifting Apparatus, Machinery for Operating, Cantilever Struc-

tures, Single and Double Track Trestles or Viaducts in Steel or Timber, Elevated Railroads, Stand-pipes. Complete Designs, with estimate of cost for structure and erection.

Text-book, *Modern Framed Structures*. Johnson.

L—RAILROAD ENGINEERING ECONOMICS—General theory of railroad projects. Probable volume of traffic and its probable growth. Effect of alignment on resources and operating expenses. Methods of railroad management.

M—IRRIGATION AND WATER SUPPLY—Drainage areas, rainfall, evaporation. Discharge and volume of flow in streams. Reservoir construction. Dams for storage. Regulators. Distributing system. Velocity of flow and dimensions of canals. Distributing and lateral canals.

N—CONTRACTS AND SPECIFICATIONS—Johnson.

O—HYDRAULICS—Flow of water through orifices and over weirs, Gauging of weirs. Flow of water in canals. Formulæ for discharge of water from locks. Motion of water in pipes. System of pipes. Gauging water in rivers. Backflow. Resistance of water in a river, in a canal. Hydraulic motors. Ship railways.

Text-books, Merriman's *Hydraulics*.

P—INSPECTION VISITS—Visits to engineering works and manufacturing establishments. For students in the third and fourth years of the four science courses.

Q—FIELD-WORK—Surveying, First Year students. Compass and transit surveys. Adjustments of instruments. Farm survey. Angle reading, repetition. Azimuth traverse. Work to be plotted and all calculations completed.

R—FIELD-WORK—Leveling. Contour Sketching. Topographical survey. Field-work to be plotted and completed as above.

S—RAILROAD SURVEY.—Reconnaissance and Preliminary Survey. Location of Line. Profile and Cross-section. Computation of Earth Work. About two miles of road are run, and the students make all calculations exacted in the regular routine of office work.

## ENGLISH.

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A—English Composition—Exercises in Constructing Outlines of Subjects. Short Themes : criticism of same in class.

B—Rhetoric—Exercises in Historical Narrative. Criticism of Authors. Argumentative Compositions.

C—Oratorical Compositions. Debates and Theses Requiring Original Research. Essays on Historical and Social Subjects.

D—Science of Rhetoric. Spencer's *Philosophy of Style*. Brother Azarias' *Books and Reading*.

E—Anglo-Saxon Literature. Study of the Poets and Prose Writers of the Anglo-Saxon Period, based on Brother Azarias' *Old English Thought*.

F—Chaucer—Literary study of the Language and Versification of the *Canterbury Tales*. Short study of Chaucer's contemporaries.

G—History of the English Language and Literature. Review of the changes the language has undergone and the development of its literature.

H—Shakespeare—Critical reading of *Hamlet*, *Macbeth* or *Julius Cæsar*, with a special study of the rise of the English drama.

Alternates with "K."

I—Drama—Study of the Theory of the Drama and its Development Historically Considered. Dryden's *Laws of Dramatic Composition*.

In alternate years with "L."

J—Nineteenth Century Literature—A short study of the leading American and English Authors of the Present Century.

K—Critical Study of Burke's *French Revolution*. Tennyson's *In Memoriam*, Newman's *Dream of Gerontius*.

In alternate years with "H."

L—The Essayists—General Study of the English Essayists from Bacon to Macaulay. The American Essayists. Critical Study of Emerson's Leading Essays.

In alternate years with "I"

M—The Poets—Critical Study of selected portions from the works of Pope, Browning, Longfellow and Whittier.

N—Philosophy of Literature—A study of this subject based on Brother Azarias' *Philosophy of Literature and Phases of Thought and Criticism*.

O—Political Economy. Lectures.

P—(a) Collins, *Cæsar*; Conington, Virgil's *Aeneid*; Peabody, Cicero's *De Senectute*, *De Amicitia*; Gladstone, Horace's *Odes*; Wilkins, *Roman Literature*.

(b) Collins, *Xenophon*; Conington, Homer's *Iliad* and *Odyssey*; Collins, *Lucian*.

(c) Readings from Chateaubriand's *Genius of Christianity*, Part II, Books II, III, IV, V.

Q—Classics—(a) Collins, *Pliny*; Collins, *Horace*; Collins, *Cicero*.

(b) Francklin, Sophocle's *Oedipus Tyrannus*; Browning, Æschylus' *Prometheus Bound*; Collins, Herodotus.

(c) Readings from Chateaubriand's *Genius of Christianity*, Part II, Books II, III, IV, V.

R—Classics—(a) Gladstone, Horace's *Ars Poetica*; Church and Brodribb, Tacitus *Germania* and *Agricola*; Martin, Catullus' *Poems*.

(b) Way, Euripides' *Hecuba*; Brougham, Demosthenes' *De Corona*; Collins, *Greek Anthology*.

(c) Chateaubriand, *Genius of Christianity*, Selected Readings.

S—Classics—(a) Collins, *Plautus* and *Terence*; Collins, *Juvenal*.

(b) Jowett, Plato's *Apology* and *Crito*; Frere, Aristophanes' *Birds* and *Acharnians*.

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## FRENCH.

A—Elementary grammar and ability to write from memory one of the following selections:

Boucher de Perthes, *La petite mendiante*, *Le petit Pierre*—Leconte de Lisle, *Trois fils d'or*—Alfred de Musset, *Tristesse*, *Chanson de Barberine*—La reine Hortense, *Partant pour la Syrie*—Victor Hugo, *La tombe dit à la rose*, *Conseils à un enfant*—Coppée, *Etoiles filantes*, —Bourget, *Beau soir*—Arnault, *La feuille desséchée*, *Le colimaçon*.

B—Advanced grammar and ability to translate such works as:

Sand, *La mare au diable*—Maistre, *Voyage autour de ma chambre*—Lamartine, *Graziella*—St. Pierre, *Paul et Virginie*—Beaumarchais *Barbier de Seville*—Souvestre, *Un philosophe sous les toits*—Saintine, *Picciola*—Feuillet, *Le roman d'un jeune homme pauvre*—Hugo,

*Notre Dame de Paris*—Dumas, *Trois mousquetaires*—Halévy, *L'Abbé Constantin*—Daudet, *La Belle-Nivernaise*, *La dernière classe*, *Le siège de Berlin et d'autres contes*, *Trente ans de Paris*; *Tartarin de Tarascon*.

Prose Composition and ability to write from memory one or more of the following Selections :

La Fontaine, *La cigale et la fourmi*, *Le corbeau et le renard*—Alfred de Musset, *Adieu*, *Chanson de Fortunio*, *Les deux routes*—Châteaubriand, *Le montagnard émigré*—Béranger, *Adieux de Marie Stuart*, *Mon habit*—Gautier, *La source*.

C—Advanced grammar and ability to translate selections from :

Corneille, *Le Cid*, *Horace*, *Cinna*, *Polyeucte*—Molière, *Le bourgeois gentilhomme*, *L'avare*, *Le misanthrope*—Racine, *Athalie*, *Esther*, *Andromaque*—Fénelon, *Télémaque*—De Stael, *Corine*.

Prose Composition and ability to write from memory one or more of the following selections :

La Fontaine, *Le chêne et le roseau*—Béranger, *Le retour dans la patrie*, *Les souvenirs du peuple*—Delavigne, *La mort de Jeanne d'Arc*—Voltaire, *Massacre de la Saint-Barthélemy*—Rouget de Lisle, *La Marseillaise*—Victor Hugo, *La pauvre fleur*—Lamartine, *Hymne de l'enfant à son réveil*—Dupont, *Les boeufs*—Coppée, *L'écho*.

D—Prose Composition ; Selected Modern Authors ; Fortier, *Histoire de la Litterature française*. Fenelon, *Télémaque*.

E—Prose Composition ; Lafontaine, *Fables* ; Bossuet, *Histoire Universelle*.

F—Racine, *Esther* and *Athalie* ; Corneille, *Le Cid* ; Molière, *Le Bourgeois Gentilhomme*.

G—Bossuet, *Oraisons Funebres*.

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## GEOLOGY.

A—Descriptive and Determinative Mineralogy, Physical, Historical and Stratigraphical Geology.

Short Course—Lectures and Practical Work.

B—General Course in Geology—Lectures and Laboratory Work.

A more advanced discussion of the subjects treated above.

Required of students in Civil Engineering and Architecture.

C—Economic Geology—Building Stones, Brick, Fire Clay, Ore Deposits, Geology of Soils, Coal—its distribution and occurrence.

For students in Civil Engineering and Architecture.

## GERMAN.

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A—Elementary grammar and ability to write from memory one or more of the following selections: Rückert, *Sinnsprüche*—Goethe, *Heidenröslein*—Uhland, *Der gute Kamerad*, *Der Wirthin Töchterlein*, *Das Schloss am Meere*—Heine, *Die Lorelei*, *Du bist wie eine Blume*—Von Fallersleben, *Vergissmeinnicht*—Volkslieder, *O Strassburg*.

B—Advanced grammar, and ability to translate such works as: Jacob and Wilhelm Grimm, *Kinder- und Hausmärchen*—Andersen, *Bilderbuch ohne Bilder*—Hauff, *Das kalte Herz*—Storm, *Immensee*, *Geschichten aus der Tonne*—Von Hillern, *Höher als die Kirche*—Meissner, *Aus meiner Welt*—Leander, *Träumereien*—Bernhardt, *Noveletten-Bibliothek*—Freitag, *Die Journalisten*—Jensen, *Braune Erica*—Auerbach, *Brigitta*—Fischer, *Die wandelnde Glocke*.

C—Advanced grammar, and ability to translate selections from: Lessing, *Nathan der Weise*, *Minna von Barnhelm*—Goethe, *Faust* (part 1), *Hermann und Dorothea*, *Wilhelm Meister*—Schiller, *Wallenstein*, *Die Jungfrau von Orleans*, *Wilhelm Tell*, *Maria Stuart*, *Geschichte des dreissigjährigen Kriegs*—Uhland, *Gedichte*.

Prose Composition and ability to write from memory one or more of the following selections:

Goethe, *Der Sänger*, *Gesang der Geister über den Wassern*, *Der Fischer*, *Mignon*—Schiller, *Die Hoffnung*—Heine, *Belsazer*—Körner, *Gebet während der Schlacht*—Hauff, *Reiter's Morgengesang*—Uhland, *Des Sänger's Fluch*—Volkslied, *Der Schnitter Tod*.

D—Prose Composition; Selected Modern Authors; Kluge, *Geschichte der deutschen Nationalliteratur*; Gore, *German Science Reader*.

E—Prose Composition; Classical Drama; Selected Plays with reference to History of German Literature.

F—Reading of extracts treating of subjects in Natural Science.

G—Reading of German Scientific Works.

## GREEK.

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Courses A, B, C and D are required of Freshmen ; B and C being given in alternate years.

Courses E, F, G, H and I are required of Sophomores, E and G being given one year and F and H the next.

Courses J, K, L and M are intended for Juniors ; only the first two of these alternate. The remaining courses are for Seniors.

A—Lucian, Selections from the *Dialogue* : Jebb, *Greek Literature*. First Term.

B—Homer, *Odyssey*, Bks. XXI–XXIV. Second Term,

C—Homer, *Iliad*, Bks. IV–VI. Second Term.

D—Prose Composition. Both Terms.

E—Herodotus, *Second Peloponnesian War*. First Term.

F—Thucydides, *Rise of the Athenian Empire*. First Term.

G—Sophocles. *Antigone*, or *Ædipus Rex*. Second Term.

H—Euripides, *Medea*, or *Hecuba*. Second Term.

I—Prose Composition. Both Terms.

J—Demosthenes, *Olynthiacs*. First Term.

K—Demosthenes, *Philippics*. First Term.

L—Selections from Lyric Poets. Second Term.

M—Prose Composition. Both Terms.

N—Aristophanes, *Clouds*, or *Knights*. First Term.

O—New Testament, Selections. Second Term.

P—Prose Composition. Both Terms.

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## HISTORY.

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A—Ancient History—History of Greece. Its literature is specially dwelt upon in this course.

B—Ancient History—Rome, from the time of the foundation of the city to the Fall of the Western Roman Empire.

C—Mediaeval History—From the Fall of the Western to the Fall of Eastern Roman Empire. The Holy Roman Empire and the Papacy receive special attention.

D—The Renaissance and the Reformation. The principal subjects studied are the Revival of Letters, the Age of Discovery, the Reformation in England, France and Germany, the 'Thirty Years' War and the Peace of Westphalia.

E—English History—In this course not only is the narrative history of England studied, but also her constitutional and social history receive special attention.

Given in Alternate years with "F."

F—French History—This course begins with the establishment of the French monarchy to its downfall at the time of the French Revolution.

G—The Era of the French Revolution—This covers the history of Europe from the time of the meeting of the States-General in France, in 1789, to the Congress of Vienna, in 1815.

Given in Alternate years with "C."

H—The History of the Nineteenth Century, beginning with the year 1815—This course treats principally of the restoration of the Bourbons ; the Revolutions of 1830 and 1848 ; the Austro-Prussian War, the Franco-Prussian war, the Unification of Germany and of Italy.

I—The Philosophy of History, based principally on the works of Schlegel and Balmes.

J—Parsons, *Studies in Church History*, vol. I.

Alternates with "E."

K—Parsons, *Studies in Church History*, vol. II.

L—Parsons, *Studies in Church History*, vol. III.

Given in Alternate year with "D."

M—Civics—Alden, *Science of Government*, or equivalent.

## LATIN.

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Courses A, B, C, D and E are required of Freshmen, but A and B are given in alternate years. Courses F, G, H and I are required of Sophomores, F and G being given in alternate years. Courses J, K, L, M and N are required of Juniors ; but J and K alternate, as also L and M. The remaining courses are for Senior students, O and P alternating and likewise Q and R.

A—Cicero, *De Senectute* ; Virgil, *Georgics*. First Term.

B—Cicero, *De Amicitia* ; Virgil, selections from *Æneid*, Books VI–XII. First Term.

C—Wilkins, *Roman Literature Primer*. First Term.

D—Horace, Select *Satires*. Second Term.

E—Prose Composition. Both Terms.

F—Livy, Books I and II. First Term.

G—Livy, Books XXI and XXII. First Term.

H—Horace, Select *Odes* ; Prosody. Second Term.

I—Prose Composition. Both Term.

J—Quintilian, *Institutes*, Book X. First Term.

K—Cicero, *De Oratore*, Book I. First Term.

L—Horace, *Ars Poetica* ; Tacitus, *Agricola*. Second Term.

M—Selections from Lyric Poets ; Tacitus, Selections from the *Histories*. Second Term.

N—Prose Composition. Both Terms.

O—Cicero, *De Finibus*. First Term.

P—Cicero, *Tusculan Disputations*, Book I. First Term.

Q—*Flores Sanctorum Latinæ Ecclesiæ Patrum*. Second Term.

R—Plautus, *Captivi*. Second Term.

S—Prose Composition. Both Terms.

## MATHEMATICS.

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A—SOLID GEOMETRY—Books VI, VII, VIII, IX. Wentworth's *Plane and Solid Geometry*.

B—ALGEBRA—Progressions, Binomial Theorem, Logarithms, Variables and Limits, Series, General Properties of Equations.  
Text-book, Wentworth's *College Algebra*.

C—TRIGONOMETRY (Plane)—Application to Problems in Heights and Distances, Surveying, etc.  
Text-book, Wentworth's *Trigonometry*.

D—TRIGONOMETRY (Spherical)—Application to Problems in Astronomy.

E—ANALYTICAL GEOMETRY (Plane)—Up to and including Higher Plane Curves.  
Text-book, Wentworth's *Analytical Geometry*.

F—ANALYTICAL GEOMETRY (Solid)—The Straight Line and Surfaces of the Second Order.

G—CALCULUS, Differential and Integral—Applications to Mechanics and Geometry.  
Text-book, Bowser's *Differential and Integral Calculus*.

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## MECHANICS.

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A—ANALYTICAL MECHANICS—I. Principles of Statics. II. Principles of Dynamics. III. Principles of Hydrostatics.

The text is supplemented by notes, lectures, solutions and discussion of practical applications and use of apparatus.

B—THERMODYNAMICS—Heat, Steam, Fuel Economy, Engine Construction, Engine Tests, Study of Details, Boiler Construction and Tests.

Lectures supplemented by visits and examinations of machines in actual operation.

C—APPLIED MECHANICS.—Resistance and Elasticity of Materials, Cantilever, Simple and Continuous Beams, Columns, Torsion and Shafts, Stresses, Resilience, Tension and Compression, Flexure in Beams, Shear and Torsion, True and Apparent Stresses, Design and Construction of Beams in Wood and Steel, Design of Girders.

Text-book, Merriman's *Mechanics of Materials*.

D—MECHANICS of Solids and Liquids—Advanced.

(A knowledge of the Calculus will be required for this course.) Statics of Concurrent and Parallel Forces. Jointed Frames. Graphical Statics. Theory of Couples. Friction. Mass-moments. Theorems of Guldinus. Determination of Centroids. Rectilinear and Parabolic Motion. Work and Energy. Impulsive Forces. Direct and Oblique Impact of Homogeneous Spheres. Circular Motion. Angular Velocity and Acceleration. Simple Harmonic Motion. Motion in a Vertical Curve. The Conical Pendulum. The Ordinary Pendulum. Determination of Moments of Inertia. Theory of Potential. Derived Units and Their Dimensions. Pressure Due to Gravitating Liquids. Centre of Pressure. Equilibrium of Floating Bodies. Determination of Metacentre. General Hydromechanics. The Barometer and its Application to Hypsometry. Compressed Air Manometers. Exhausting and Condensing Air-pumps.

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## PEDAGOGY.

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A—EDUCATION—Object of Education. Importance of Knowledge of Physical Laws. Importance of Knowledge of Mental and Moral Laws. Development of Mental Power.

B—THE TEACHER—His Qualifications, Duties, Responsibility.

C—CLASSIFICATION—General Principles. Classification of standards.

D—REGISTRATION—Advantages. Modes.

E—ORGANIZATION—Arrangement. Distribution. Employment. Subdivision. Specialties.

F—DISCIPLINE—Superintendence. Motives. Code of Regulations. Means thereof. True vs. False Discipline.

G—METHOD—Synthesis and Analysis. Individual vs. Simultaneous System. Mutual. Questioning.

H—METHOD OF READING AND SPELLING.

I—WRITING—Analysis of Written Characters. Classification of Written Characters. General Method of Teaching Penmanship.

J—GEOGRAPHY—General Principles. Lessons on Mountains, Rivers, Productions, Climate, Maps various kinds. Classification, Association, Contrast, Resemblance. Physical, Political and Astronomical Geography. Generalization.

K—HISTORY—Chronology. Causes. Events. Relation to Geography. Ancient. Modern. Institutions, etc.

L—GRAMMAR—Method in Teaching, Lessons on Various Parts Speech. Lessons in Etymology. Syntax. Sentence Building. Composition. Parsing. Analysis. Paragraphing. Paraphrasing, etc.

M—ARITHMETIC—General Principles. First Lessons in Number. Use of Symbols. Lessons in the Fundamental Rules. Decimal and Fractional Values. Application of the Various Principles Throughout the Subject. Text Books.

N—EXAMINATION—General Principles. Uses, Abuses. Time and Matter.

O—EDUCATORS—Aristotle, Bede, Alcuin, Abelard, Loyola, De La Salle, Rousseau, Pestalozzi, Froebel, Herbart, and the others that occupy a prominent place in the history of education.

The above is an outline of the same subjects treated in the Theory and Practice of Teaching.

All the ordinary branches will be taken up in proper course and treated in an analogous manner.

Books of reference will be mainly *School Management*, by Christian Brothers. *Methodology and Vade Mecum*, Christian Brothers. *Theory and Practice of Teaching*, Page. *White's School Management*.

In the History of Education there will be a study of the times, life and methods of the great educators.

## PHILOSOPHY.

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A—FORMAL LOGIC—The Idea. Errors as to the Nature of Ideas in Modern English and German Philosophy. The Nature of Judgment. The Value of the Syllogism.

B—CRITICAL LOGIC—The Possibility of Certainty. Skepticism. Veracity of the Senses and the Intellect. Idealism vs. Realism. Universals. Authority and Belief.

C—METAPHYSICS—The Aristotelian Transcendentals. Causation. Errors Concerning Causation. Final Causes.

D—COSMOLOGY—Nature, Origin, and Duration of the Universe. Ultimate Constituents of Bodies. Theory of Matter and Form. Laws of Nature. Possibility of Miracles.

E—PSYCHOLOGY—Rational vs. Experimental Psychology: Value of Each. Faculty, Habit and Action. The Life Principle. Vegetative Life. Theory of Sensation. Of Intellection. Association of Ideas. Evolutionism. Heredity. Freedom of Will. Spirituality and Immortality of Man's Soul. Psychology and the Teacher.

F—NATURAL THEOLOGY. Proof of God's Existence and Providence—Deism, Pantheism, Agnosticism, Atheism. Existence of Evil. Preservation of Creatures. Divine Concurrence.

G—GENERAL ETHICS—Nature of a Human Action. Ultimate End of Human Actions. Determinants of Morality. Does the End Justify the Means? Hindrances to the Perfection of a Human Action. The Passions. Habit. Virtue. Vice.

H—SPECIAL ETHICS—I. Man's Rights and Duties as an Individual. Man's Duties to God. Adoration, Love, Obedience. Man's Duties to His Neighbor, as Regards Soul and Body. Man's Duties to Himself, as to Soul and Body. Suicide and Dueling.

II. Man's Rights and Duties as Citizen. The State. Its Constituent Elements. Its Origin, End, Scope and Limits.

III. Common Law of Nations. Peaceful Relations Among Nations. War.

IV. Ecclesiastical Society. The Church. Its Origin and Constitution. Its End and Limits. Its Superiority to the State. Its Mission to the Modern World.

I—EXPERIMENTAL PSYCHOLOGY—Elements and General Methods.

J—HISTORY OF PHILOSOPHY—Brief Course.

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## PHYSICS.

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A—GENERAL PHYSICS. First Term: General Study of Matter. Elementary Mechanics, Acoustics and Heat. General Principles and Solution of Problems in Reference to Lectures.

Second Term: Radiant Energy. Electricity and Magnetism. General Principles and Practical Problems.

B—LIGHT. First Term: Nature of Radiation. Velocity and Intensity of Light. Reflection and Refraction of Light. Spectra. Chromatics, Polarization. Study of Optical Instruments.

HEAT—Second Term: Nature of Heat and Temperature. Production and Transference of Heat. Measurement. Relation between Heat and Work.

C—ELECTRICITY. Fundamental Phenomena. General Laws. Distribution. Induction. Condensers. Effects of Discharge. Influence Machines. Primary Batteries. The Electric Current. Ohm's Law and Applications. Magnetic, Thermal and Chemical Action of the Electric Current. The Electromagnet. Current Induction. Induction by Magnets. The Induction Coil. Continuous Current Dynamo and Motor. The Electric Transmission of Energy. Electric Lighting. Thermo-Electric Currents. Telegraphy. Atmospheric Electricity.

MAGNETISM—Permanent Magnets. The Molecular Theory. Magnetic Induction. The Magnetic Field. The Magnetic Circuit. Comparative Strength of "Fields" and of Magnets. Terrestrial Magnetism. The Compass Needle. The Dip Circle. Magnetic Charts.

D—THE STEAM ENGINE. Mechanism of Steam Engines. Rotary and Single-acting Engines, Compound and Multiple Expansion Engines. Details of Construction.

E—ELECTRIC MEASUREMENTS. Elementary Theory of the Astatic, Tangent and Ballistic Galvanometers. Ammeter and Voltmeter. Wheatstone's Bridge. Applications to Measurement of Currents, Electromotive Force, Resistance, Capacity. Determination of the Magnetic Elements.

F—ELECTRICITY. Elementary Theory of Electric and Magnetic Potential. The Mutual Action of Conductors Conveying Currents. The Mutual Action Between Magnets and Conductors Conveying Currents. The Principle of Reversibility; its Application to the Voltaic Cell, Influence Machines, Dynamos, Thermo-electric Generators. Grouping of Cells for Efficient Working. Manipulation of Secondary Batteries. Problems Relating to the Division of the Current.

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ACADEMIC DEPARTMENT

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## ACADEMIC DEPARTMENT.

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The Academic Department offers a course of four years and is intended to prepare the students for entrance to one of the College Departments. The grade of studies corresponds to the preliminary requirements of the Regents of the University of the State of New York for entrance to the Freshman class. Students who show satisfactory acquaintance with the subjects of the First class, are admitted without further examination into the Freshman class.

The most favorable time for entrance is at the beginning of the scholastic year. The regular examinations for admission  
ADMISSION. take place on the first Tuesday in September. Students will, however, be received at any time during the year, but not for a shorter period than five months.

Newly admitted students must present a certificate of good character and, if they come from another institution, a letter of honorable dismissal.

Each student, on being admitted, is examined and classified according to his attainments.

The classes are frequently examined, and students are not allowed  
EXAMINATIONS. to pass from one subject to another until they have given evidence of adequate knowledge of the subject-matter of their previous studies. In the advanced classes the January and June examinations are conducted in writing. A student who shows by the results of the examinations that he is unable to follow the studies of his class will be placed in a lower grade.

Each week the Director or Inspector takes account of the work done by every pupil in the Department. This report is read before the professors and the students, and is commented upon by the Director.

Summarized reports of the examinations are forwarded to the parents at the end of each session.

It is requested that these reports be carefully examined, as showing the exact standing of the student, and afterwards returned to the Director, with the signature of the parent or guardian.

REPORTS.

Percentages are appreciated as follows: From 90 to 100, excellent; from 80 to 90, very good; from 70 to 80, satisfactory.

Any percentage below 70 is to be considered unsatisfactory, and parents are requested to consult with the Director on the measures to be adopted to insure the progress of their sons.

All promotions are based on the results of the several examinations and also on the daily marks. No student will be allowed to pass from one class to another unless he has given satisfactory proof of his ability to follow the higher class. Promotions are generally made at the end of the scholastic year, but a student may be promoted at other times, provided his work, joined to the recommendation of the Professor, shows his fitness therefor.

PROMOTIONS.

A student failing in some of the branches of his class at the final examinations may present himself for further examination at the opening of the next session, and if then successful will be entitled to promotion with his class.

FAILURE IN  
EXAMINATIONS.

The students of the higher classes should devote at least three hours to the preparation of their class-work; those of the lower classes should spend a proportionate amount of time.

HOME STUDY.

The hearty coöperation of parents is requested in the efforts of the faculty to promote the advancement of the students. It is of paramount importance that they place no obstacles in the way of the student's progress, and that they do not excuse them from study for slight or trivial reasons.

Parents are asked to examine the progress and standing of their sons in class, as given in the reports, and they are cordially invited to visit the College as often as possible. Above all things they are urged to lay stress upon punctuality in daily attendance. Every lesson missed or omitted is an injury to the student's progress, and may seriously interfere with the proper understanding of subsequent lessons.

Students are expected to show at all times gentlemanly behavior ;  
they must also remember that whatever is opposed to  
**DISCIPLINE.** such behavior is as much out of place in the schools as in  
the family circle.

No student will be retained who is insubordinate or whose society  
might prove undesirable for his companions.

Punctuality, both in arrival at school and in attendance at recita-  
tions, is required of every pupil. Only cases of urgency  
**ATTENDANCE.** should excuse from school, even for half the daily ses-  
sion. A student absent from a recitation is marked " zero," and will  
be required to make good the task omitted.

A written excuse from the parents will be required in all cases of  
absence. This excuse will not be accepted in lieu of tasks omitted.

School opens at 8.30 A.M. and closes at 3.30 P.M. At 11.45 A.M.  
an hour and a quarter is allowed for luncheon.

Wednesday and Saturday afternoons are the regular weekly holi-  
days.

Students who live in the College are not allowed to leave the  
**BOARDERS.** grounds without authorization.

Visiting hours for resident students are from one to five on Sun-  
day afternoon.

## ACADEMIC DEPARTMENT.

### FIRST YEAR.

ENGLISH.—Grammar, *Principles of English Grammar*, Christian Brothers.

Reading, English Classics.

Spelling, *Pronouncing Speller*, Christian Brothers.

Composition, Simple Stories and Fables reproduced in pupil's own phraseology.

Elocution, Exercises in Utterance, Inflection, etc.

Concert and individual recitation of selections made by the professor.

History, *History of the United States*.

Geography, General Geography.

ARITHMETIC.—*Complete Arithmetic*, Christian Brothers. Exercises in Mental Arithmetic.

LATIN.—*First Latin Book*, Collar & Daniell.

PENMANSHIP.—*Christian Brothers' Series*.

DRAWING.—*Elementary Course in Freehand*, Christian Brothers.

CATECHISM.—*Baltimore Council*.

### SECOND YEAR.

ENGLISH.—Reading, Irving's *Alhambra*; Longfellow's *Evangeline*.

Grammar *Principles*, Completed.

History, *History of the United States*, Completed.

Composition, Stories reproduced by pupils, and easy original work.

Elocution, individual and concert work.

ARITHMETIC.—*Complete Arithmetic*, finished and reviewed.

Mensuration.

PENMANSHIP.—*Christian Brothers' Series*.

GREEK.<sup>1</sup>—Elements of Grammar.

OR Reading easy selections.

FRENCH OR GERMAN.—First Year's work (see page 70 and 71).

LATIN.—Grammar and Composition.

Cæsar de Bello Gallico, Books I–IV.

DRAWING.—Freehand, sketching easy subjects.

RELIGIOUS INSTRUCTION.—*Deharbe's Catechism No. 2*.

<sup>1</sup> Greek is required of candidates for the Classical Department, but no French or German. French or German is substituted for Greek by candidates for the Scientific Department. Candidates for the English-Science replace Latin and Greek by French and German.

### THIRD YEAR.

ENGLISH.—Grammar, Advanced Course.

Reading, Selected Classics, as required for college entrance.

Composition, Sketches on Selected Topics. Lockwood's *Lessons in English*.

History, England and France.

Geography, *Physical*.

Elocution, Study of Modulation, Expression and Gestures.

ALGEBRA.—*School Algebra*, Wentworth.

LATIN.—Grammar and Prose Composition.

Cicero *In Catilinam*, *Pro Archia*, *Pro Marcello*.

{ GREEK.—Grammar and Prose Composition.

OR Xenophon, *Anabasis*. Books I-III.

{ FRENCH OR GERMAN.—Second Year's work (see page 70 or 71).

RELIGIOUS INSTRUCTION.

### FOURTH YEAR.

ENGLISH.—Rhetoric, *Lockwood's English*, Completed.

Composition, Short essays, Newspaper reports.

Reading, Classics as required for college entrance.

Elocution, Recitation of prepared selections.

History, Outline of Greece and Rome.

Geography, *Classical*.

MATHEMATICS.—Algebra, Wentworth's *School*, Completed.

Geometry—*Plane and Solid*, Wentworth's.

PHYSICS.—Elementary Course.

Principles of Natural History.

LATIN.—Prose Composition.

Virgil's *Aeneid*, Books I-VI. Prosody.

{ GREEK.—Prose Composition.

OR Homer's *Iliad*, Books I-III. Prosody.

{ FRENCH OR GERMAN.—Third Year's work (see page 70 or 71).

RELIGIOUS INSTRUCTION.

## SPECIAL LATIN CLASS.

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Attached to the Academic Department is a special class for young men whose knowledge of the classics disqualifies them for entrance into the Freshman class. In this special Latin class a large portion of the daily session is devoted to Latin and Greek authors. Lessons are given in English Classics also, and in such branches of mathematics or science as may specially benefit the students. As soon as a young man shows by examination that he has made good his deficiencies, he is advanced to the Freshman class and thereafter follows the regular College curriculum.

## ACADEMIC COURSES IN FRENCH.

### FIRST YEAR.

Elementary grammar and ability to write from memory one of the following selections :

Boucher de Perthes, *La petite mendicante*, *Le petit Pierre*—Leconte de Lisle, *Trois fils d'or*—Alfred de Musset, *Tristesse*, *Chanson de Barberine*—La reine Hortense, *Partant pour la Syrie*—Victor Hugo, *La tombe dit à la rose*, *Conseils à un enfant*—Coppée, *Etoiles filantes*, —Bourget, *Beau soir*—Arnault, *La feuille desséchée*, *Le colimaçon*.

### SECOND YEAR.

Advanced grammar and ability to translate such works as :

Sand, *La mare au diable*—Maistre, *Voyage autour de ma chambre*—Lamartine, *Graziella*—St. Pierre, *Paul et Virginie*—Beaumarchais, *Barbier de Seville*—Souvestre, *Un philosophe sous les toits*—Saintine, *Picciola*—Feuillet, *Le roman d'un jeune homme pauvre*—Hugo, *Notre Dame de Paris*—Dumas, *Trois mousquetaires*—Halévy, *L'Abbé Constantin*—Daudet, *La Belle-Nivernaise*, *La dernière classe*, *Le siège de Berlin et d'autres contes*, *Trente ans de Paris*; *Tartarin de Tarascon*.

Prose Composition and ability to write from memory one or more of the following Selections: La Fontaine, *La cigale et la fourmi*, *Le corbeau et le renard*—Alfred de Musset, *Adieu*, *Chanson de Fortunio*, *Les deux routes*—Châteaubriand, *Le montagnard émigré*—Béranger, *Adieux de Marie Stuart*, *Mon habit*—Gautier, *La source*.

### THIRD YEAR.

Advanced grammar and ability to translate selections from :

Corneille, *Le Cid*, *Horace*, *Cinna*, *Polyeucte*—Molière, *Le bourgeois gentilhomme*, *L'avare*, *Le misanthrope*—Racine, *Athalie*, *Esther*, *Andromaque*—Fénelon, *Télémaque*—De Stael, *Corine*.

Prose Composition and ability to write from memory one or more of the following selections: La Fontaine, *Le chêne et le roseau*—Béranger, *Le retour dans la patrie*, *Les souvenirs du peuple*—Delavigne, *La mort de Jeanne d'Arc*—Voltaire, *Massacre de la Saint-Barthélemy*—Rouget de Lisle, *La Marseillaise*—Victor Hugo, *La pauvre fleur*—Lamartine, *Hymne de l'enfant à son réveil*—Dupont, *Les boeufs*—Coppée, *L'écho*.

## ACADEMIC COURSE IN GERMAN.

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### FIRST YEAR.

Elementary grammar and ability to write from memory one or more of the following selections: Rückert, *Sinnsprüche*—Goethe, *Heidenröslein*—Uhland, *Der gute Kamerad*, *Der Wirthin Töchterlein*, *Das Schloss am Meere*—Heine, *Die Lorelei*, *Du bist wie eine Blume*—Von Fallersleben, *Vergissmeinnicht*—Volkslieder, *O Strassburg*.

### SECOND YEAR.

Advanced grammar and ability to translate such works as: Jacob and Wilhelm Grimm, *Kinder- und Hausmärchen*—Andersen, *Bilderbuch ohne Bilder*—Hauff, *Das kalte Herz*—Storm, *Imensee*, *Geschichten aus der Tonne*—Von Hillern, *Höher als die Kirche*—Meissner, *Aus meiner Welt*—Leander, *Träumereien*—Bernhardt, *Noveletten-Bibliothek*—Freitag, *Die Journalisten*—Jensen, *Braune Erica*—Auerbach, *Brigitta*—Fischer, *Die Wandelnde Glocke*.

### THIRD YEAR.

Advanced grammar, and ability to translate selections from: Lessing, *Nathan der Weise*, *Minna von Barnhelm*—Goethe, *Faust* (part I), *Hermann und Dorothea*, *Wilhelm Meister*—Schiller, *Wallenstein*, *Die Jungfrau von Orleans*, *Wilhelm Tell*, *Maria Stuart*, *Geschichte des dreissigjährigen Kriegs*—Uhland, *Gedichte*.

Prose Composition and ability to write from memory one or more of the following selections:

Goethe, *Der Sänger*, *Gesang der Geister über den Wassern*, *Der Fischer*, *Mignon*—Schiller, *Die Hoffnung*—Heine, *Belsazer*—Körner, *Gebet während der Schlacht*—Hauff, *Reiter's Morgengesang*—Uhland, *Des Sängers Fluch*—Volkslied, *Der Schnitter Tod*.



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COMMERCIAL DEPARTMENT

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## COMMERCIAL DEPARTMENT.

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Students who desire to be prepared for the routine of mercantile life, will find every facility for so doing in the Commercial Department. The course may be completed in two or in three years, according to the standing of the student on entering.

As the aim of this Department is not to give the knowledge of those branches only that enter into the every-day work of business life, the studies are so arranged as to afford a good general course of instruction.

English Composition and Letter-Writing receive special attention and the student is required to treat various topics in a manner that will enable him to write with ease and elegance reports on a given topic, circulars and other kindred work. General history is treated in connection with the English Course, and various questions relating to Political Economy and Commercial Law, are treated in the classroom, thus affording the student some ideas on the vital questions discussed in every-day life. Weekly lessons are given in the art of public speaking, thus enabling the student to acquire a graceful and easy delivery.

The Mathematics taught include not only a complete course of Commercial Arithmetic, but also an elementary course of Geometry and Algebra.

The courses in Physics and Chemistry are sufficiently extensive to enable the students to follow with interest the various scientific questions and discussions which form so large a part of modern reading.

The students receive a complete course in standard business methods, filling of commercial papers, and banking transactions. They also attend a course in Commercial Law, including mercantile papers, contracts, negotiable papers, the obligations of common carriers, leases, etc.

Phonography and Typewriting are parts of the course, and the student is offered every opportunity in these essential branches of office work.

Courses of Linear Drawing and Telegraphy are open to students desirous of acquiring a knowledge of these branches.

Students may enter this Department after completing the Third Academic class, provided they give satisfactory evidence of their being able to follow the course.

The rules governing the Commercial Department are similar to those of the Academic Department. Several courses in the College proper are open to students desirous of obtaining a more advanced knowledge of science and mathematics, but proof must be given of sufficient preparation to follow them with advantage.

Students who complete this course receive a certificate as a guarantee of their fitness for mercantile employment.

## COURSE OF STUDIES.

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### COMMERCIAL DEPARTMENT.

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#### FIRST CLASS.

ENGLISH—Rhetoric, English Literature.

Reading of English Classics.

Essays on Business Topics.

Elocution, weekly lesson on selected pieces.

History, General: Ancient and Modern.

POLITICAL ECONOMY—Property, Land Tenure, Population, Money, Wages, Capital, Labor, Trades unions, Tariff, Free-trade, Protection; Encyclical of His Holiness, Leo XIII, *On the Condition of Labor*.

MATHEMATICS—Commercial Arithmetic, Reviewed.

Algebra, *School Algebra*, Complete.

Geometry, Plane.

BOOKKEEPING—Practical Business Sets; Banking.

PHONOGRAPHY—Reporting Style.

CHEMISTRY—Elements of Chemistry.

TYPEWRITING—Commercial and Legal Papers.

RELIGIOUS INSTRUCTION—Schouppe's *Course*.

#### SECOND CLASS.

ENGLISH—Dictation Exercises, Practical Grammar.

Exercises in Composition.

Commercial Correspondence.

Elocution, weekly lessons.

History, Modern History.

History of Commerce, with Commercial Geography.

LAW—Commercial Law; Civil Government.

MATHEMATICS—Commercial Arithmetic, Mental and Written.

Algebra, as far as Simultaneous Equations.

Mensuration.

PENMANSHIP—Business and Epistolary Writing.  
BOOKKEEPING—*Complete Bookkeeping*. Christian Brothers.  
PHONOGRAPHY—Corresponding Style.  
PHYSICS—Elements of Physics.  
TYPEWRITING—Fingering ; Letter Writing ; Business Forms.  
RELIGIOUS INSTRUCTION—Schouppe's *Course*.

THIRD CLASS.

ENGLISH—Spelling and Defining, Dictation.  
Grammar.  
Elocution, one hour weekly.  
History: History of the United States.  
Composition, Letter Writing.  
Commercial Geography.  
MATHEMATICS—Commercial Arithmetic, Mental and Written.  
PENMANSHIP—Movement Exercises and the Study of Forms.  
BOOKKEEPING—*Students' Manual*; Single and Double Entry.  
DRAWING—Freehand Drawing.  
RELIGIOUS INSTRUCTION—Catechism and Bible History.



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COLLEGE SOCIETIES

LECTURE COURSES

CLASS EXERCISES

COMMENCEMENT DAY

LIST OF PRIZES

STUDENTS' ROLL

GRADUATE LIST

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## COLLEGE SOCIETIES.

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### MANHATTAN COLLEGE ALUMNI SOCIETY.

The object of the Society is to keep alive among the Alumni the sentiment of affection for their Alma Mater, and to unite the graduates of successive years by a common tie of fellowship.

Regular meetings are held on Commencement Day, after the graduating exercises, and on the 22d of February.

There are three reunions of the Society each year: at the Alumni Dinner, at the Memorial Mass on Decoration Day, and at the reception of the newly-graduated class on Commencement Day.

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### THE APOSTLESHIP OF PRAYER, LEAGUE OF THE SACRED HEART.

The Holy League of the Sacred Heart of Jesus is established among the students with the object of fostering piety and devotion, and of acquiring more thoroughly the true spirit of Christianity.

The Promoters meet frequently, and these meetings, together with the public exercises of the first Friday of the month, constitute the principal exterior functions of the League.

#### OFFICERS.

BROTHER JOHN CHRYSOSTOM, CHIEF PROMOTER.

BERNARD J. BOLAN,	}	SENIOR CLASS.
JAMES A. CHANDLER,		
WILLIAM M. DWYER,	}	JUNIOR CLASS.
JOHN S. KIFFIN,		
JOHN B. CONDON,	}	SOPHOMORE CLASS.
JOHN F. WRIGHT,		
JOSEPH T. DOYLE,	}	FRESHMAN CLASS.
DENIS O'L. COHALAN,		
BERNARD F. CONAGHAN,		FIRST ACADEMIC—B.
LEO A. BROWN,	}	SECOND ACADEMIC.
PATRICK H. McCORMACK,		
MATTHEW M. CAHILL,		THIRD ACADEMIC.
DANIEL A. O'REILLY,		FOURTH ACADEMIC.
FRANCIS J. FLYNN,		FIRST COMMERCIAL CLASS.
WILLIAM G. FITZPATRICK,		SECOND COMMERCIAL CLASS.

## DE LA SALLE LITERARY UNION.

This Society is confined to the students of the Senior year. The end proposed is the free discussion of questions pertaining to philosophy, which have been suggested, but not fully treated in the classroom. The Professor of English Literature acts as moderator.

### OFFICERS.

BROTHER RODOLPHUS, HONORARY PRESIDENT.

PRESIDENT, . RICHARD D. MURPHY,

VICE-PRESIDENT, DANIEL J. COTTER,

TREASURER, . JOHN J. McQUADE,

SECRETARY, . JOHN F. JORDAN.

BERNARD J. BOLAND,	} EXECUTIVE COMMITTEE.
MICHAEL F. SHEA,	
MATTHEW H. COX,	
JOHN J. NAGLE.	

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## NEWMAN LITERARY UNION.

The members of the Junior Class belong to this Society. The exercises, consisting of original essays and debates on literary or other subjects, are held on Friday afternoon. The Professor of English Literature acts as moderator of this Society; the other officers are chosen every three months.

### OFFICERS.

REV. BROTHER ADJUTOR, MODERATOR.

PETER A. HANLEY, PRESIDENT.

MATTHEW J. DUGGAN, VICE-PRESIDENT.

JOHN J. GANNON, SECRETARY.

ERNEST P. NEVILLE, TREASURER.

JOSEPH McGRATH, EDITOR.

JOHN T. LARKIN, CRITIC.

## HUGHES LITERARY UNION.

This Society is open to the students of the Sophomore year. Meetings are held at least twice a month, the principal exercises of which are debates on historical and scientific subjects, and on questions of the day, as well as essays on various topics. The Senior Professor of the class acts as Honorary President, and the other officers are elected every two months.

The retiring officers were :

REV. BROTHER JOHN, HONORARY PRESIDENT.  
PRESIDENT, . WM. P. O'RYAN.  
VICE-PRESIDENT, JOHN McCAULEY.  
SECRETARY, . PATRICK F. MCSORLEY.  
TREASURER, . JAMES P. KIRBY.  
CRITIC, . . . EDWIN A. BOLGER.

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## McCLOSKEY LITERARY UNION.

This Society, composed of the members of the Freshman Class, holds its regular meeting on Friday afternoon. The exercises consist principally of debates on various subjects, to train the students to fluency of speech and readiness in argument. The Moderator is appointed by the President of College, and the other officers are chosen bi-monthly.

The officers at close of the last scholastic year were :

REV. BROTHER BENEDICT, MODERATOR.  
HUBERT L. COSTIGAN, PRESIDENT.  
VINCENT P. O'MAHONEY, VICE-PRESIDENT.  
JOSEPH A. CONNELLY, TREASURER.  
EDWIN M. SINNOTT, SECRETARY.  
WILLIAM E. SLEVIN, CRITIC.

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## CORRIGAN LITERARY UNION.

The students of the First Academic Class have formed themselves into a literary society, which they have named after the illustrious Archbishop of New York. They hold regular monthly meetings, and sometimes class exercises, to which the College students are invited.

The officers at close of last term were :

HONORARY PRESIDENT, REV. BROTHER THOMAS.  
PRESIDENT, . . . FRANK DWYER.  
VICE-PRESIDENT, . C. A. BYRNES.  
SECRETARY, . . . DIONYSIUS BURKE.

## IRVING LITERARY UNION.

This Society, named after one of New York's first contributors to the annals of American literature, consists mainly of students of the Second Academic Class.

### OFFICERS.

REV. BROTHER PAPHYLINUS, DIRECTOR.  
JOHN J. DALEY, PRESIDENT.  
DANIEL A. WALSH, VICE-PRESIDENT.  
LEOPOLD BROWNE, SECRETARY.  
MATTHEW McPHILLIPS, TREASURER.  
FRANCIS J. MAHER, CRITIC.

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## COMMERCIAL LITERARY SOCIETY.

The Commercial Department has likewise its literary Society. The students hold weekly meetings and discuss subjects pertaining to their future career in life. The Principal of the department acts as Honorary President, while the other officers are chosen quarterly.

The last officers were :

REV. BROTHER AMOS, MODERATOR.  
FRANCIS J. FLYNN, PRESIDENT.  
MARCUS T. O'REILLY, VICE-PRESIDENT.  
TIMOTHY J. O'CONNELL, TREASURER.  
WALTER S. HAMILTON, SECRETARY.

## MANHATTAN COLLEGE GLEE CLUB.

The Glee Club has for object the cultivation of vocal music, and the preparation of such musical items as are required for the College entertainments. The Club meets twice a week under the direction of the Professor of vocal training. The Glee has also full control of the music for the College Church festivals.

PROFESSOR FREDERICK J. LISCOMBE,  
Musical Director.

HARRY V. CARROLL,  
BERNARD J. BOLAND,  
RICHARD L. KELLY,  
EDWARD A. BOLGER,  
JOHN F. WRIGHT,  
WILLIAM P. RYAN,  
JOHN B. CONDON,  
JOHN E. KIFFIN,  
FRANCIS A. CASEY,  
THOMAS McGRATH,  
JAMES J. TIGHE,  
WILLIAM J. LYONS,  
LEO B. BYRNES,  
PHILIP J. MAGRATH,  
JOHN T. JORDAN,  
JAMES R. BARTLEY,  
ERNEST P. NEVILLE,  
ROBERT W. WILKES,

WHITFORD J. BENNETT,  
JOHN J. MCBRIDE,  
IRVING J. McLARNON,  
JOHN A. BYRNES,  
VINCENT DE P. RYAN,  
LEO A. DELANEY,  
CHARLES A. DELANEY,  
DANIEL A. CARMEN,  
ROBERT A. POMMERER,  
JOHN J. DWYER,  
GERARD CUOCO,  
JOHN A. HORAN,  
JOSEPH A. CONNELLY,  
JAMES J. KANE,  
JAMES P. KIRBY,  
JOHN E. DUFFY,  
WILLIAM A. GARNEY,  
WILLIAM H. MCGUCKIN.

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## MANHATTAN COLLEGE ORCHESTRA.

Leader, PROFESSOR CHARLES E. UTSINGER.

JOHN A. BYRNES,  
LEON L. VERRY,  
WHITFORD J. BENNETT,  
JAMES E. TIMON,  
EDMUND S. NUGENT,  
BERNARD J. BOLAND,  
JOHN A. HORAN,  
AUGUST STAHL,

ROBERT A. POMMERER,  
CHARLES A. DELANEY,  
FRANCIS FLYNN,  
JOHN E. KIFFIN,  
JOHN J. MCBRIDE,  
GEORGE J. MURPHY,  
CORNELIUS A. BYRNES,  
FREDERICK J. SHEEHAN.

## INSPECTION VISITS

MADE BY THE

## STUDENTS OF THE SENIOR DEPARTMENT

1897-98

- I. The New York Catholic Protectory : (Five visits)
  1. Study of boilers.
  2. Study of various types of steam-engines.
  3. Dismounting and remounting a 60 H. P. Corliss engine.
  4. Taking indicator diagrams.
  5. Study of dynamos and electric-light installation.
- II. The power-house of the Third Avenue Cable Company.
- III. The Electrical Exhibiton.
- IV. The U. S. Cruiser "BROOKLYN."
- V. The electric fuse factory at Pompton Lakes.
- VI. The plate girder N. Y., N. H. & H. R. R., Westchester.
- VII. The Western Union Cable Co., Broad Street office.
- VIII. The Dry Dock and Brooklyn Navy Yard.

MANHATTAN COLLEGE

SPECIAL SCIENCE LECTURES.

I. The Human Eye.

Formation of images on the retina.

Duration of retinal impressions.

Effects of such persistence.

Prismatic dispersion of light.

The concave grating.

Experiments with the spectroscope.

Spectrum of sunlight.

Spectrum of incandescent solids: carbon, platinum, silver.

Spectrum of glowing gases: Hydrogen, oxygen, nitrogen, atmospheric air.

Experiments on color.

II. A Scientific Worthy: Michael Faraday.

His lines of electric and magnetic "force."

Photographs of positive and negative brushes.

Physical nature of a Leyden jar discharge.

Electric oscillations and periodic disturbances in the ether of space.

Lightning flash.

Lightning conductors: Their preventive and preservative functions.

Photographs of some lightning vagaries.

The impulsive rush.

Protection of wooden vessels, ocean steamers, battleships, power-houses, telegraph offices, etc.

- III. Mr. George H. Hefele, C.E., '92, gave a series of lectures on the Sewer System of Bronx Borough and the Methods of the Public Works in the control and execution of contracts.
- IV. Mr. Joseph T. McPeak, C.E., '93, a lecture on Road Material and Road Construction as exemplified in the streets of New York.
- V. Mr. Fielding A. Seymour, C.E., '93, a lecture on the elements entering into Park Designing, with a special study of the Parks around New York.
- VI. Mr. Thomas B. Whitney, C.E., delivered a lecture on traction methods in cities and the organization of the construction department.



VESTIGIA NULLA RETRORSUM

LITERARY ENTERTAINMENT

BY THE

Class of '98

OF

MANHATTAN COLLEGE

AT

DE LA SALLE HALL

FRIDAY EVENING, JANUARY 28, 1898

# PROGRAMME

## PART I.

Overture	-	-	"Cavalier" (Rollinson)	-	College Orchestra
Address	-	-	-	-	J. Robert Boyle
Oration	-	-	"Cuba"	-	Richard D. Murphy
Arion Waltz	-	-	-	-	Glee Club
Selection	-	-	"Rum's Maniac"	-	J. Joseph McQuade
Essay	-	-	"Society and Education"	-	Daniel F. Logue
"The Jolly Tar"	-	-	-	-	Double Quartette

## PART II

Fantasia	-	-	"Trovatore" (Tracy)	-	Orchestra
Oration	-	-	"Daniel O'Connell"	-	Daniel J. Cotter
Violin Solo	-	-	"Intermezzo" (Mascagni)	-	Peter J. McGoldrick
Selection	-	-	"Leo XIII."	-	John T. Jordan
"On the Banks of the Wabash"	-	-	-	-	Glee Club
Essay	-	-	"Chivalry"	-	George B. Newman

## SCENE FROM CATO

Cato	-	-	-	-	-	Michael F. Shea
Sempronius	-	-	-	-	-	Walter G. Henry
Lucius	-	-	-	-	-	Joseph L. Tierney
Decius	-	-	-	-	-	Joseph D. McKenna
Marcus	-	-	-	-	-	Charles J. Dillon
Finale	-	-	"Hungarian Dance" (Brahms)	-	-	Orchestra

## OFFICERS

President	-	-	-	-	-	J. Robert Boyle
Vice-President	-	-	-	-	-	E. V. McGoldrick
Secretary	-	-	-	-	-	J. Edmund McDowell
Treasurer	-	-	-	-	-	Richard D. Murphy

## ENTERTAINMENT COMMITTEE

Chairman, Bernard J. Boland.

J. Joseph McQuade,  
William J. Cleary,

Charles J. Dillon,  
Joseph D. McKenna.

## RECEPTION COMMITTEE

Chairman, James A. Chandler.

J. Edmund McDowell,  
Joseph Tierney,  
William E. Grant,

John J. Greaney,  
Matthew H. Cox,  
James Deevy,

John J. Nagle.

"COR UNUM VIÆ MULTÆ."

NEWMAN LITERARY UNION

Class '99

MANHATTAN COLLEGE

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# A Tour Around the World

AN ILLUSTRATED LECTURE

IN THE LECTURE HALL, AT 7.45 P. M.

FEBRUARY 11, 1898

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Prune thou thy words, the thoughts control,  
That o'er thee swell and throng;  
They will condense within thy soul,  
And change to purpose strong.

—*Cardinal Newman.*

## PROGRAMME

### PART I.

Overture	- - - - -	College Orchestra
Address	. - - - -	William M. Dwyer
Subjects—"Blarney Castle," "Giant's Causeway"		
"Sterling Castle"	- - - - -	John T. Larkin
"Melrose Abbey," "Westminster Abbey"	-	James R. Bartley
"House of Parliament," "Windsor Castle"	-	Walter T. Casey
"Paris Panorama," "The Church of Notre Dame"		
"Place de la Concorde," "Arch of Triumph"		David I. Quinn
Sailor's Chorus	- - - - -	Glee Club
Subjects—"Brussels," "Bingen"		
"Cologne Cathedral," "Berlin"	- -	Ernest P. Neville
"Moscow," "Vienna," "Chillon"	- -	Joseph J. McGrath
"Milan Cathedral," "Venice," "Florence"		Patrick E. Walsh
"Rome—The Colosseum," "St. Peter's"	-	John F. Gannon
Abraham Lincoln	- - - - -	Peter A. Hanley
Selection	- - - - -	Edmund S. Nugent
		College Orchestra

### PART II.

Violin Solo	- - - - -	Prof. C. E. Utsinger
Subjects—"Bay of Naples," "Athens," "Constantinople"		
		Thomas F. Smith
"Nazareth," "Jerusalem," "Bethlehem"		Robert A. Birmingham
"Alexandria," "Pyramids"	- -	Aloysius G. O'Connor
Hark, the Trumpet	- - - - -	Glee Club
Tribute to Ireland	- - (Taylor) - -	John E. Kiffin
Subjects—"China," "Japan"		
"San Francisco," "Sacramento"	- -	William J. Murray
"Salt Lake City," "Omaha," "St. Louis"	-	Edward A. Birmingham
"Chicago," "Niagara Falls"	- -	William J. Roche
Finale	- - - - -	Thomas S. McGrath
		College Orchestra

# COMMITTEE OF ARRANGEMENTS

Thomas F. Smith,

Patrick E. Walsh,  
Peter A. Hanley,

William J. Murray,  
David I. Quinn.

## RECEPTION COMMITTEE

Edward A. Birmingham,

William J. Murray,  
Matthew J. Duggan,  
Leo Delaney,  
Patrick J. Quinn,

Thomas J. King,  
Aloysius G. O'Connor,  
Thomas A. O'Connor,  
John L. Kenney.

## OFFICERS OF THE CLASS

Moderator, Rev. Brother Adjutor.

President	-	-	-	-	-	-	William M. Dwyer.
Vice-President	-	-	-	-	-	-	James R. Bartley.
Secretary	-	-	-	-	-	-	John E. Kiffin.
Treasurer	-	-	-	-	-	-	Robert A. Birmingham.
Critic	-	-	-	-	-	-	David I. Quinn.
Editor	-	-	-	-	-	-	Walter T. Casey.

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MANHATTAN COLLEGE

THE SOPHOMORES

HONOR IRELAND'S PATRON

THURSDAY, MARCH 17, 1898

At 7.30 o'clock, P.M.

COLLEGE HALL

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PROGRAMME

PART I.

Overture	-	-	"Irish Airs"	-	-	Orchestra
"The Harp"	-	-	(Moore)	-	-	Glee Club
Oration	-	-	"Irish Scholars"	-	-	Wm. P. O'Ryan
Solo	-	-	"If the Waters Could Speak" (Graham)	-	-	J. B. Condon
"Kerry Dances"	-	-	(Geibel)	-	-	Double Quartette
Oration	-	-	"Irish Soldiers"	-	-	John J. Curtin
Trio	-	-	"Love's Young Dream" (Moore)	-	-	{ Harry Carroll J. W. Bennett John E. Kiffin
Selections	-	-	-	-	-	Orchestra

## PART II.

"Minstrel Boy"	-	-	(Moore)	-	-	-	Glee Club
Selection from "The Peasant Boy" (Dimond)							
John Wright, Jas. B. Lehnemann, Jos. R. Jackson,							
Philip Magrath.							
Solo	-	-	"Rory Darlin" (Olcott)	-	Wm. P. O'Ryan		
Oration	-	-	"Irish Poets" (E. Bolger)	-	Jos. F. Holland		
Duet	-	-	"Farewell" (Moore)		{ Richard Kelly		
					{ John F. Wright		
Oration	-	-	"Irish Statesmen and Orators"		Joseph F. Sullivan		
"Down on South"	-	-	(Molloy)	-	-	Double Quartette	
Finale	-	-	"Manhattan March"	-	-	Orchestra	

### OFFICERS OF CLASS SOCIETY

President	-	-	-	-	-	-	John B. Condon
Vice-President	-	-	-	-	-	-	John M. Ganley
Secretary	-	-	-	-	-	-	Garrett W. Cotter
Treasurer	-	-	-	-	-	-	James P. Kirby
Critic	-	-	-	-	-	-	James B. Lehnemann

### COMMITTEE OF ARRANGEMENTS

James J. Golden, Chairman.

Thomas S. Naughton,	Edward A. Johnson,
Joseph F. Holland,	James P. Kirby,
William P. O'Ryan,	James B. Lehnemann,
Patrick F. McSorley,	Michael J. Lyons,
Joseph F. Sullivan.	

### RECEPTION COMMITTEE

Edwin A. Bolger, Chairman.

Thomas J. McLoughlin,	Philip J. Magrath,
Joseph R. Jackson,	John J. Curtin,
Edward J. Flynn,	Daniel A. Carmen,
Daniel M. Dougherty,	Girard Z. Cuoco,
Justin J. Lyons,	John F. Wright,
John E. Leddy.	

MANHATTAN COLLEGE

THANKSGIVING DAY

THE STUDENTS

OF THE

FRESHMAN CLASS

Wednesday, November 24, 1897, 3 P. M.

COLLEGE HALL

# PROGRAMME

## PART I.

" L'Overture Mosaique "	-	-	-	-	College Orchestra
Resistance to Tyranny	-	(Camden)	-	-	Edwin M. Sinnott
Bunker Hill Survivors	-	(Webster)	-	-	Robert J. Walsh
" Ave Maria "	-	(Abt)	-	-	Double Quartette
Hamilton	-	(Mason)	-	-	Francis A. Casey
American Institutions	-	(Phillips)	-	-	Joseph T. A. Doyle
Violin Solo	-	" Les Rameaux "	-	-	James J. Kane
The Maniac	-	(Lewis)	-	-	Edward F. Roche
Fontenoy	-	(Davis)	-	-	Joseph A. Scott
" Twilight Song "	-	(Molloy)	-	-	Glee Club
Napoleon	-	(Phillips)	-	-	William E. White

## DOUBLE QUARTETTE

H. Carroll,	J. Bartley,	W. O'Ryan,	J. Kiffin,
B. Boland,	E. Bolger,	J. Wright,	J. Condon.

## PART II.

" Cavalier Overture "	-	-	-	-	College Orchestra
Washington and Franklin	-	(Adams)	-	-	John H. A. Byrnes
Our Country's Glory	-	(Anon)	-	-	Joseph A. A. Connolly
" Mother's Angel Face, "	-	(Reiger)	-	-	Double Quartette
America	-	(Chatham)	-	-	Vincent de Paul O'Mahoney
Arnold Winkelried	-	(Montgomery)	-	-	Robert W. A. Pommerer
Solo	-	" The Arrow Song "	-	-	William O'Ryan
Ireland	-	(Meagher)	-	-	Michael A. Walsh
Gettysburgh	-	(Lincoln)	-	-	James J. Tighe
" Lost Chord "	-	(Sullivan)	-	-	Glee Club
Independence	-	(Adams)	-	-	Jeremiah F. Sullivan
Piano Solo	-	-	-	-	Joseph Higgins

#### COMMITTEE OF ARRANGEMENTS

John Jos. Donovan, Chairman.

John H. Byrnes, Jr.,  
Joseph A. Scott,  
Joseph A. A. Connolly,  
Michael A. Walsh,  
Robert F. Walsh,  
Jeremiah F. Sullivan,

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Vincent de Paul O'Mahoney,  
Robert W. Pommerer,  
James J. Tighe,

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# MANHATTAN COLLEGE

## First Academic Class

WEDNESDAY, JANUARY 26, 1898, 2.30 P. M.

### PROGRAMME

Overture	-	-	-	-	-	-	College Orchestra
"Red Jacket"	-	-	-	-	-	-	William J. A. Darcy
"Slumber Soft"	-	-	(Möhring)	-	-	-	Double Quartette
"The Miser"	-	-	-	-	-	-	Thomas J. Costigan
Mandolin Duet	-	-	-	-	-	-	{ James Brown Leon Verry

Accompanist, John H. Byrnes

"The Catholic Psalm"	-	-	-	-	-	-	William B. Farrell
"Blue and Gray"	-	-	-	-	-	-	Charles A. Doyle
Solo, "Behind the Times"	(Harris)	-	-	-	-	-	John E. Kiffin
"How they Kept the Bridge at Athlone"	-	-	-	-	-	-	Denis O'L. Cohalan
Piano Solo, "Grand Caprice Hongrois"	(E. Kitterer)	-	-	-	-	-	R. W. Wilkes

### SCENE FROM DOUGLASS

Lord Randolph	-	-	-	-	-	-	William J. Lyons
Glenalvon	-	-	-	-	-	-	Peter J. Smith
Norval	-	-	-	-	-	-	Charles J. Savage

"Watchman Tell us of the Night"	(Trowbridge)	-	-	-	-	-	Double Quartette
"Tribute to Ireland"	-	-	-	-	-	-	James J. Riordan
Solo, "Sweet Refrain"	(J. Jordan)	-	-	-	-	-	Charles J. Savage
"The Sacrilegious Gamester"	-	-	-	-	-	-	John A. Russell
Finale	-	-	-	-	-	-	College Orchestra

### DOUBLE QUARTETTE

Harry Carroll,	Richard Kelly,	William O'Ryan,	John Kiffin,
Bernard Boland,	Edward Bolger,	John Wright,	John Condon.

ORATORICAL CONTEST

FOR

THE GRADY MEMORIAL MEDAL

BY THE

STUDENTS OF MANHATTAN COLLEGE

COLLEGE HALL

Tuesday, February 22, 1898

---

Overture	-	-	-	" America "	-	-	College Orchestra
			Vincent de Paul O'Mahony			Stephen Vincent Ryan	
			Edward Francis Roche				
Soldier's Farewell	-	-	-	-	-	-	Double Quartette
			William Edmund Whyte			Edward Arthur Johnson	
			Joseph Raymond Jackson				
At Sea	-	-	-	-	-	-	Glee Club
			Patrick Francis McSorley			John Francis Wright	
			William Patrick O'Ryan				
Selection	-	-	-	-	-	-	Orchestra
			Joseph Francis Sullivan			Edmund Samuel Nugent	
			John Edward Kiffin				
Plantation Song	-	-	-	-	-	-	Double Quartette
			Walter George Henry			John Thomas Jordan	
			John Joseph Nagle				
Hail Columbia	-	-	-	-	-	-	Glee Club
			George Bernard Newman			Peter James McGoldrick	
			John Joseph S. McQuade				
Selection	-	-	-	-	-	-	Orchestra
			Joseph Leo Hunt			Michael Francis Shea	
			Daniel Joseph Cotter				
Selection	-	-	-	-	-	-	Orchestra
			Decision of the Judges				
Finale	-	-	-	-	-	-	Orchestra

MANHATTAN COLLEGE

AN AFTERNOON

WITH THE

Students of the Commercial Department

WEDNESDAY, MARCH 9, 1898

COLLEGE HALL

Vocal Music under the direction of Professor Frederick J. Liscombe  
Orchestra under leadership of Professor Charles E. Utsinger

---

PROGRAMME

PART I.

Overture	-	-	-	"Kastanien"	-	College Orchestra
Address	-	-	-	-	-	Francis J. Flynn
"On Parade"	-	-	-	(Geibel)	-	Glee Club
"Reply to Walpole"	-	-	-	(Pitt)	-	Timothy J. O'Connell
Piano Solo	-	-	-	"Liszt's Second Rhapsody"	-	Albert A. Fenn
"Martyrs of the Maine"	-	-	-	(O'Callahan)	-	Charles A. Delaney
Duet	-	-	-	"Army and Navy"	-	{ Harry V. Carroll John P. Horan
Essay	-	-	-	"Character"	-	Walter S. Hamilton
Violin Solo	-	-	-	"Il Trovatore"	-	Leon Verry
"Banjo Strains"	-	-	-	(Foster)	-	Double Quartette
A Class Scene						

PART II.

"Douce Caresse"	-	-	-	-	-	String Quintette
"Bernardo Del Carpio"	-	-	-	(Hemans)	-	John W. Callahan
Piano Solo	-	-	-	"Mazeppa"	-	John Steinbuegler
"Bernardo and King Alphonso"	-	-	-	(Lockhart)	-	Matthew L. Cunahan

"Davy Jones" -	-	-	(Macy) -	-	Double Quartette
"Bernardo's Revenge" -	-	-	(Anon) -	-	Alfred J. O'Donovan
Selection -	-	-	"Double Eagle" -	-	The Walz Brothers
"King Edward" }	-	-	(Franklin) -	-	{ Marcus T. O'Reilly
and Warwick" }	-	-		-	{ John P. Horan
"The Mountain Sprite" -	-	-	(Geibel) -	-	Glee Club
Finale -	-	-	"Auf Wiedersehen" -	-	College Orchestra

#### DOUBLE QUARTETTE

Harry V. Carroll, Bernard J. Boland, Wm. P. O'Ryan, John E. Kiffin,  
Richard L. Kelly, Edwin A. Bolger, John F. Wright, John B. Condon.

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John L. Cummings.  
James F. Sheedy,  
Charles A. Delaney.

MANHATTAN COLLEGE

ORATORICAL CONTEST

FOR THE

Grady Memorial Medal

SUNDAY, MAY 8, 1898

PROGRAMME

Overture	-	-	-	-	-	-	College Orchestra
"Away to the Woods"	-		(Geibel)	-	-	-	Glee Club
Patrick Henry	-	-	-	-	-	-	John Joseph Nagle
The Sister of Charity	-	-	-	-	-	-	John Thomas Jordan
Duet	-	-	"Army and Navy"	Harry Carroll and John Horan			
The Spirit of Lafayette	-	-	-	-	-	-	William Patrick O'Ryan
Frederick Ozanam	-	-	-	-	-	-	Walter George Henry
"Kentucky Babe"	-	-	(Geibel)	-	-	-	Double Quartette
Daniel O'Connell	-	-	-	-	-	-	Daniel Joseph Cotter
Henry Grattan	-	-	-	-	-	-	John Joseph McQuade
Selection	-	-	-	-	-	-	College Orchestra
Our Naval Heroes	-	-	-	-	-	-	Peter James McGoldrick
American Warriors	-	-	-	-	-	-	John Edward Kiffin
Plantation Song	-	-	(Foster)	-	-	-	Double Quartette
Irish Statesmen and Orators	-	-	-	-	-	-	Joseph Francis Sullivan
The Eloquence of Webster	-	-	-	-	-	-	Michael Francis Shea
"The Passing Regiment"	-	-	(Macy)	-	-	-	Glee Club
			The Judges' Decision				
Finale	-	-	-	-	-	-	College Orchestra

JUDGES

Very Rev. P. V. Hartigan, O. P.,  
 Hon. Joseph F. Daly,  
 John J. Morrissey, M.D.,

Rev. W. J. Donovan,  
 Hon. Henry Bischof, Jr.,  
 Daniel F. Cohalan, Esq.,

Luke D. Stapleton, Esq.

DOUBLE QUARTETTE

Harry V. Carroll,  
 William P. O'Ryan,  
 John J. Wright,  
 Richard L. Kelly,

Bernard J. Boland,  
 Edward A. Bolger,  
 John E. Kiffin,  
 John B. Condon.

MANHATTAN COLLEGE

AN AFTERNOON

WITH THE

STUDENTS

OF THE

Junior Academic Department

FRIDAY, MAY 13, 1898

---

PROGRAMME

Overture	-	-	-	-	-	-	College Orchestra
Chorus	-	-	-	"Morning Invitation"	-	-	Junior Choir
Somebody's Mother	-	-	-	-	-	-	George A. Lacey
Barbara Frietchie	-	-	-	-	-	-	Sherman S. Marks
Solo	-	-	-	"Cuban March Song"	-	-	Ricardo H. Ruiz
Concert Recitation	-	-	-	"The Men of Marblehead"	-	-	Fourth Class
Burial of Sir John Moore	-	-	-	-	-	-	William J. Johnson
Piano Solo	-	-	-	"Believe Me"	-	-	Robert W. Wilkes
Fall of D'Assas	-	-	-	-	-	-	John G. Carlisle
A Little Boy's Trouble	-	-	-	-	-	-	Edgar P. Ostendorf
Solo	-	-	-	"The Midshipmite"	-	-	Charles J. Savage
Brigade at Fontenoy	-	-	-	-	-	-	Arthur J. Cunnion
Rolla's Address	-	-	-	-	-	-	Daniel A. Reilly
Selection	-	-	-	-	-	-	College Orchestra
Concert Recitation	-	-	-	"Rienzi"	-	-	Third Class
"Soldier's Farewell"	-	-	-	-	-	-	Double Quartette
Death of Gaudentis	-	-	-	-	-	-	Matthew A. Cahill
Violin Solo	-	-	-	Selected	-	-	Leon E. Verry
The Enchanted Shirt	-	-	-	-	-	-	James A. Fitzpatrick
"Passing Regiment"	-	-	-	-	-	-	Glee Club
Smiting the Rock	-	-	-	-	-	-	Patrick H. McCormick
Finale	-	-	-	-	-	-	College Orchestra

# .....COMMENCEMENT.....

OF

## Manhattan College

HIS GRACE, MOST REV. M. A. CORRIGAN, D.D.,  
Presiding

CARNEGIE HALL

TUESDAY, JUNE 28, 1898

AT FOUR O'CLOCK

---

### Order of Exercises.

OVERTURE, . . . . .	"America," . . . . .	Theo. Moses
COLLEGE ORCHESTRA.		
GLADSTONE . . . . .	. . . . .	John Joseph McQuade
OUR NATION . . . . .	(Geibel) . . . . .	College Glee Club
OUR NAVAL HEROES . . . . .	. . . . .	Peter James McGoldrick
TILL WE MEET AGAIN . . . . .	(Bailey) . . . . .	Double Quartet
PHOTOGRAPHY IN SCIENCE . . . . .	. . . . .	Joseph Leo Hun
CORONATION . . . . .	(Ketcham) . . . . .	College Orchestra
JUSTICE . . . . .	. . . . .	Michael Francis Shea
PILGRIMS' CHORUS . . . . .	(Tannhauser) . . . . .	College Glee Club
THE ORATOR OF THE AGE . . . . .	. . . . .	Daniel Joseph Cotter
STAR SPANGLED BANNER . . . . .	. . . . .	College Glee Club

### Conferring of Degrees

GRANTING OF COMMERCIAL DIPLOMAS,  
AWARDING OF PRIZES

ADDRESS TO THE GRADUATES . . . .	Very Rev. Philip J. Garrigan, D.D.
FINALE . . . . .	College Orchestra

## Honorary Degrees

### Doctor of Laws

JOHN WHALEN, A.M.

AMBROSE J. FAUST, A.M., Ph.D.

BENJAMIN T. WHITMORE, A.M., M.D.

## **Master of Arts.**

JOHN FRANCIS DUANE, A.B., LL.B., '95.

RICHARD KERENS Jr., A.B., LL.B., '95.

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## **Degree of Civil Engineer.**

JAMES THOMAS PHELAN, B.S.

THOMAS BRYANT WHITNEY, B.S.

## Degree of Bachelor of Arts.

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JOHN JOSEPH GREANEY  
JAMES ANDREW CHANDLER  
JOHN JOSEPH NAGLE  
DANIEL JOSEPH COTTER  
MATTHEW HUGO COX  
MICHAEL FRANCIS XAVIER SHEA  
GEORGE BERNARD NEWMAN  
EDWARD VINCENT McGOLDRICK  
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PETER JAMES McGOLDRICK  
JOHN THOMAS JORDAN  
WALTER GEORGE HENRY  
DANIEL FRANCIS LOGUE  
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WILLIAM EUGENE ALOYSIUS GRANT  
JAMES ROBERT BOYLE  
CHARLES JOSEPH DILLON  
JOHN JOSEPH STANISLAUS McQUADE  
JOHN EDMUND McDOWELL  
JOSEPH LEO TIERNEY  
DAVID PATRICK ROCHE

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McGRANE, HUGH A. . . . .	NEW YORK
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McGRATH, THOMAS S. . . . .	NEW YORK
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McMAHON, RODERICK J. . . . .	NEW YORK
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MOCLAIR, WILLIAM J. . . . .	NEW YORK
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MURPHY, WILLIAM P. . . . .	NEW YORK
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MURRAY, THOMAS J. . . . .	BERLIN, CONN.
MURRAY, WILLIAM J. . . . .	PROVIDENCE, R. I.
NAGLE, JOHN J.. . . . .	NEW YORK
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O'CONNOR, THOMAS A. . . . .	NEW YORK
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OSTENDORF, EDGAR L. . . . .	NEW YORK

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PIEDRA, WILLIAM A.	MATANZAS, CUBA
POMMERER, ROBERT W.	NEW YORK
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QUINN, PATRICK J.	NEW ROCHELLE, N. Y.
RIORDAN, JAMES J.	NEW YORK
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ROCHE, DAVID P.	NEW YORK
ROCHE, EDWARD F.	MANCHESTER, N. H.
ROCHE, WILLIAM J.	NEW YORK
RUIZ, RICARDO	CUBA
RUSSELL, JOHN I.	NEW YORK
RYAN, JOSEPH P.	NEW YORK
RYAN, STEPHEN V.	BUFFALO, N. Y.
RYAN, THOMAS B.	NEW YORK
RYAN, VINCENT A.	NEW YORK
SAVAGE, CHARLES J.	NEW YORK
SCOTT, JOHN J.	MANCHESTER, N. H.
SHEA, LEONARD P.	NEW YORK
SHEA, MICHAEL F.	MANCHESTER, N. H.
SHEEDY, JAMES F.	NEW YORK
SHEEHAN, FREDERICK P.	UTICA, N. Y.
SHEIL, EDMUND V.	NEW YORK
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SLEVIN, WILLIAM E.	NEW YORK
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SMITH, THOMAS F.	PORT CHESTER, N. Y.
SPINELLI, JOSEPH	NEW YORK
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STERN, EDWARD P.	NEW YORK
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SULLIVAN, JOSEPH F.	NEW YORK
SWEENEY, LAWRENCE A.	NEW YORK
THERIOT, HENRY J.	NEW YORK
TIERNEY, JOSEPH L.	NEW YORK
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TIMON, JAMES E.	BROOKLYN, N. Y.

VARLEY, WILLIAM M.	NEW YORK
VERRY, LEON E.	NEW YORK
VILA, OSCAR	NEW YORK
VILA, ROBERT L.	NEW YORK
WALKER, JOHN McK.	NEW YORK
WALLACE, TIMOTHY W.	NEW YORK
WALSH, DANIEL A.	NEW YORK
WALSH, MICHAEL A.	IRELAND
WALSH, MILTON C.	NEW YORK
WALSH, PATRICK E.	MANCHESTER, N. H.
WALSH, ROBERT J.	NEW YORK
WARD, JR., PETER A.	NEW YORK
WATSON, JR., JAMES VINCENT	NEW YORK
WERNER, JOHN P.	NEW YORK
WHITE, WILLIAM E.	NEW YORK
WILKES, ROBERT W.	NEW YORK
WILLOUGHBY, JOSEPH	NEW YORK
WOODS, WILLIAM M.	NEW YORK
WRIGHT, JOHN F.	TOLEDO, O.
YOUNG, LLOYD L.	NEW YORK.

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BANNAN, JOHN F. . . . .	'83	PROVIDENCE, R. I.
BARRY, JOHN H., M.D., . . . .	'87	LONG ISLAND CITY
BARRY, WALTER J. . . . .	'96	NEW YORK CITY
BELLEW, MAURICE, . . . . .	'97	MILFORD, PA.
BENNETT, JOSEPH W. . . . .	'98	NEW YORK CITY
*BERGAN, REV. GEORGE A. . . . .	'75	"
BIGLEY, REV. JOSEPH H. . . . .	'73	"
*BOERUM, JOHN J. . . . .	'81	OYSTER BAY, L. I.
BOLAND, BERNARD J. . . . .	'98	BRIDGEPORT, CONN.
BOLAND, WM. F., LL.B. . . . .	'89	NEW YORK CITY
BOLEN, JOHN C. . . . .	'94	"
BOYLAN, JAMES A., LL.B. . . . .	'91	"
BOWYER, HENRY M. . . . .	'73	"
BRADY, JAMES C. . . . .	'85	"
BRADY, JOHN J., LL.B. . . . .	'88	ALBANY, N. Y.
BRADY, REV. BERNARD F. . . . .	'82	NEW YORK CITY
*BRANNAN, JAMES J. . . . .	'81	"
BRENNAN, ANDREW J. . . . .	'81	"
BRENNAN, REV. C. JOHN . . . .	'91	GREENWICH, CONN.
BRENNAN, JOHN F. . . . .	'75	YONKERS, N. Y.
BRENNAN, REV. JOSEPH P. . . . .	'75	NEW YORK CITY
BRENNAN, JOHN A. . . . .	'75	"
*BRENNAN, REV. PATRICK H. . . . .	'71	"
BRIODY, REV. JOHN H. . . . .	'83	"
BRITT, PHILIP J. . . . .	'85	"
*BROPHY, REV. JOHN, . . . . .	Causa honoris	"
BROPHY, JOHN P., LL.D, PH.D. . . . .	Causa honoris	"
BROWN, REV. JAMES J. . . . .	'88	PORT RICHMOND, S. I.
BROWNE, VALENTINE J. . . . .	'96	YONKERS, N. Y.
BOYLE, JAMES R. . . . .	'98	BROOKLYN, N. Y.
*BUCKLEY, JOHN J. . . . .	'87	NEW YORK CITY
BURKE, WILLIAM J., LL.B. . . . .	'94	MIDDLETOWN, N. Y.
BURKE, JOSEPH P., M. D. . . . .	'93	BUFFALO, N. Y.
BURROUGH, WILLIAM F. . . . .	'95	NEW YORK CITY
*BURNS, REV. JOHN H. . . . .	'76	ALBANY, N. Y.
*BUTLER, REV. WILLIAM R. . . . .	'84	NEW YORK CITY
BYRNE, THOMAS F., LL. B. . . . .	'74	"
BYRNE, JOHN J. . . . .	'96	"

BYRNES, REV. JAMES M.	'74	NEW YORK CITY
BYRNES, JOHN H., LL.B.	Causa honoris	"
*BYRON, REV. JOSEPH	Causa honoris	"
CALLAHAN, DENIS G.	'97	BROOKLYN, N. Y.
CALLAN, WILLIAM J., M.D.	'79	"
CAMPBELL, MICHAEL J.	'81	NEW YORK CITY
CAMPBELL, PETER J., M.D.	'90	UTICA, N. Y.
CAREY, JAMES T.	'73	NEW YORK CITY
*CARNEY, REV. MICHAEL	'70	DEERFIELD, N. Y.
CAROLAN, JAMES P.	'69	CHICAGO, ILL.
CARR, REV. JOHN F.	'78	NEW YORK CITY
CARR, REV. PATRICK F.	'75	DENVER, COL.
CASEY, EDWARD F., LL.B.	'85	BROOKLYN, N. Y.
CASTLES, PATRICK J.	'93	NEW YORK CITY
CHANDLER, JAMES A.	'98	GLENS FALLS, N. Y.
CHERRY, JOSEPH B.	'97	NEW YORK CITY
CHERRY, REV. DANIEL F.	'83	BROOKLYN, N. Y.
CHIDWICK, REV. JOHN P., U. S. N.	'83	NEW YORK CITY
*CLANCY, REV. ANDREW J.	'77	"
CLANCY, REV. PATRICK J.	'80	"
CLARKE, THOMAS F.	'67	UTICA, N. Y.
CLARKIN, PHILIP P., LL.B.	'86	NEW YORK CITY
CLEARY, WILLIAM J.	'98	BROOKLYN, N. Y.
CLOGHER, AMBROSE	'94	HINSDALE, MASS.
CLOGHER, WILLIAM E.	'94	"
COFFEY, REV. JOHN	Causa honoris	OTTAWA, CAN.
COFFEY, REV. JAMES M.	'84	VALLEY FALLS, R. I.
COHALAN, DANIEL F., LL.B.	'85	NEW YORK CITY
COHALAN, JOHN P., LL.B.	'93	"
COHALAN, MICHAEL J., LL.B.	'89	"
COHALAN, TIMOTHY E.	'97	"
COLEMAN, REV. THOMAS J.	'71	FAIRFIELD, CONN.
COLGAN, REV. EDWARD J.	'87	PROVIDENCE, R. I.
COLLINS, REV. JAMES A.	'90	FORDHAM, N. Y.
COLLINS, CORNELIUS A.	'94	W.N'wBRIGHTON, N. Y.
CONATY, PETER P.	'97	NEW YORK CITY
CONCANNON, MALACHY J.	'83	IRELAND
CONDON, RICHARD L.	'74	YONKERS, N. Y.
CONKLIN, WILLIAM A.	Causa honoris	NEW YORK CITY
CONLAN, JOSEPH J., F.S.C.	'81	"
CONLAN, JOHN A.	'95	NEW HAVEN, CONN.
CONNELL, EDWARD J., LL.B.	'95	NEW YORK
CONNOLLY, WILLIAM T.	'97	NEW YORK CITY
CONNOR, DANIEL P.	'94	MANCHESTER, N. H.
CONNOR, FRANCIS J.	'94	"
CONSIDINE, REV. MICHAEL J.	'76	NEW YORK CITY
COONEY, JOHN H.	'70	ALBANY, N. Y.

CORCORAN, CHARLES H.	'82	NEW YORK CITY
*CORR, REV. JOHN J.	'70	"
CORR, NICHOLAS F.	'84	"
CORRIDAN, JAMES A.	'97	"
COSTAIN, JAMES E., LL.B.	'80	CHICAGO, ILL.
COSTELLO, CHARLES A.	'97	NEW YORK CITY
COSTELLO, RICHARD R.	'95	"
COSTIGAN, GREGORY J., M.D.	'88	"
COTTER, DANIEL J.	'98	MANCHESTER, N. H.
COTTER, REV. JAMES H.	'77	IRONTON, O.
COUCH, JOHN F., LL.B.	'85	BROOKLYN, N. Y.
COUGHLIN, WILLIAM H.	'91	PROVIDENCE, R. I.
COX, MATTHEW H.	'98	NEW YORK CITY
CRAIG, REV. FRANCIS B.	'89	PROVIDENCE, R. I.
CRAIG, REV. JAMES A.	'91	PROVIDENCE, R. I.
*CRANE, CORNELIUS F.	'79	NEW YORK CITY
CREEDEN, REV. JOHN B.	'74	SING SING, N. Y.
CROAK, WILLIAM T., LL.B.	'95	PORT RICHMOND, S. I.
CROSBY, REV. JAMES L.	'72	NYACK, N. Y.
CROWLEY, REV. CORNELIUS F.	'89	NEW YORK CITY
CRUMMEY, FRANCIS J., M.D.	'91	ALBANY, N. Y.
CUDDY, JAMES K., LL.B.	'93	YONKERS, N. Y.
*CULLEN, MICHAEL A.	'84	NEW YORK CITY
CUMMINGS, FRANCIS P. J.	'94	"
CUMMINGS, THOMAS C.	'95	"
*CUMMISKEY, REV. JAMES P.	'76	"
*CUNNINGHAM, CHRISTOPH P.	'70	BROOKLYN, N. Y.
CUNNINGHAM, REV. MICHAEL J., S.J.	'78	FORDHAM, N. Y.
CUNNION, REV. DANIEL C.	'80	NEW YORK CITY
CUNNION, REV. DUDLEY A.	'80	"
CUNNION, REV. MALICK A.	'74	"
CUNNION, ROBERT F., M. D.	'89	BROOKLYN, N. Y.
CURRAN, HON. JOHN J., Q.C.		
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CURRAN, FRANCIS J., LL.B.	'90	MONTREAL, P. Q.
CURRAN, LOUIS E.	'96	MONTREAL, P. Q.
CURRAN, REV. DANIEL F.	'78	SYRACUSE, N. Y.
DALTON, JAMES F.	'97	YONKERS, N. Y.
DARDIS, JOHN M., LL.B.	'88	NEW YORK CITY
DAWKINS, REV. JOHN J., O. P.	'84	SOMERSET, O.
*DEERING, EDWARD M.	'71	NEW YORK CITY
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*DEERING, WILLIAM A., LL.B.	'74	"
DEEVY, JOSEPH P.	'92	"
DE KONINCK, JOSEPH M.	'68	"
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DELANEY, JOHN M. T. . . . .	'98	NEW YORK CITY
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*DEVINE, JOHN F. . . . .	'86	PROVIDENCE, R. I.
*DEVELIN, CHARLES S., LL.B. . . . .	'82	NEW YORK CITY
DEVELIN, MICHAEL E. . . . .	'75	WESTCHESTER, N. Y.
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*DONAHUE, NATA'L M., M.D. . . . .	Causa honoris	"
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DONOVAN, WILLIAM F., M.D. . . . .	'87	NEW YORK CITY
DONOVAN, REV. WILLIAM J. . . . .	'77	"
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DOOLEY, MARTIN F. . . . .	'96	FISHKILL, N. Y.
DOOLEY, WILLIAM P. F. . . . .	'97	NEW YORK CITY
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DORN, JACOB J., . . . . .	'96	NEW YORK CITY
*DOUGHERTY, REV. MAURICE J. . . . .	'72	"
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DOWLING, REV. AUSTIN A., S.T.L. . . . .	'87	PROVIDENCE, R. I.
DOWLING, VICTOR J., LL.B. . . . .	'83	NEW YORK CITY
DOWNEY, THOMAS F. . . . .	'85	BROOKLYN, N. Y.
DOYLE, JOHN F. . . . .	'97	CONSTABLEVILLE, N. Y.
DOYLE, WALTER A. . . . .	'94	CHADWICKS, N. Y.
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DRUM, THOMAS A. . . . .	'83	JERSEY CITY, N. J.
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DUFFY, REV. JOHN F. . . . .	'76	NEW YORK CITY
DUFFY, REV. MICHAEL J. . . . .	'85	"
DUNN, EDWARD A, . . . . .	'84	"
*DUNN, JOHN L. . . . .	'77	TROY, N. Y.

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DUNPHY, EDWARD P. . . . .	'92	NEWBURGH, N. Y.
DWYER, REV. AMBROSE M. . . . .	'90	SYRACUSE, N. Y.
EGAN, REV. WILLIAM P. . . . .	'93	NEW YORK CITY
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ELLIOT, GEORGE A., M.D. . . . .	'87	NEW YORK CITY
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FAGAN, HON. EDWARD F. . . . .	'69	MASPETH, N. Y.
FAGAN, REV. FRANCIS M. . . . .	'83	NEW YORK CITY
FAHEY, REV. JOHN T. . . . .	'90	PROVIDENCE, R. I.
FARLEY, EDWARD J., LL.B. . . . .	'95	NEW YORK CITY
FARLEY, JOSEPH A., LL.B. . . . .	'96	"
FARR, WILLIAM L., F.S.C. . . . .	'93	DETROIT, MICH.
FARRAR, REV. JOHN W. . . . .	'91	CLAYVILLE, N. Y.
*FARRELL, BARTHOLOMEW J. . . . .	'78	NEW YORK CITY
FARRELL, REV. WILLIAM B. . . . .	'87	BROOKLYN, N. Y.
*FARRELL, REV. WILLIAM A., LL.D. . . . .	'71	TARRYTOWN, N. Y.
FARRELL, JOSEPH A. . . . .	'95	NEW YORK CITY
FARELLY, REV. THOMAS B. . . . .	'92	"
FAUST, AMBROSE J., Ph.D., LL.D. . . . .	Causa honoris	WASHINGTON, D.C.
FERDINAND, JOHN E., M.D. . . . .	'68	NEW YORK CITY
FERNANDEZ, JOSE F., M.D. . . . .	'83	"
FERRER, JOSE M., M.D. . . . .	'76	"
*FERRY, CHARLES A. . . . .	'93	NEWBURGH, N. Y.
FINLEY, WILLIAM J., LL.B. . . . .	'85	NEW YORK CITY
FINN, LAWRENCE B., LL.B. . . . .	'67	COHOES, N. Y.
*FISHER, JAMES B. . . . .	'72	NEW YORK CITY
FITZGERALD, JOHN J., LL.B. . . . .	'91	BROOKLYN, N. Y.
FITZPATRICK, FRANCIS J. . . . .	'82	NEW YORK CITY
FITZSIMMONS, REV. JAMES F., S.T.L. . . . .	'85	DUNWOODIE, N. Y.
FITZSIMMONS, THOMAS J. . . . .	'87	NEW YORK CITY
FLAHERTY, REV. EDMUND P. . . . .	'92	BROOKLYN, N. Y.
FLANAGAN, JOHN H., LL.B. . . . .	'92	PROVIDENCE, R. I.
*FLANAGAN, WILLIAM F. . . . .	'95	PROVIDENCE, R. I.
FLANNERY, REV. JOSEPH F. . . . .	'78	NEW YORK CITY
FLOOD, REV. THOMAS F. . . . .	'87	YONKERS, N. Y.
*FLYNN, LUKE M. . . . .	'79	NEW YORK CITY
FLYNN, THOMAS S. . . . .	'92	UTICA, N. Y.
FLYNN, WILLIAM H. . . . .	'97	HARTFORD, CONN.
FOGARTY, MICHAEL E. . . . .	'95	NEW YORK CITY
*FOY, REV. WILLIAM J. . . . .	'78	"
GALLAGHER, EDWARD M. . . . .	'85	SING SING, N. Y.
GALLAGHER, FRANCIS C. . . . .	'80	BROOKLYN, N. Y.

GALLAGHER, JAMES T., M.D.	.	'89	BROOKLYN, N. Y.
GALLIGAN, REV. CHARLES J.	.	'84	MARIETTA, PA.
GALWEY, THOMAS F., Ph.D.	. Causa honoris		NEW YORK CITY
GARDINER, REV. WILLIAM A.	.	'87	GREAT NECK, N. Y.
GARDNER, REV. JOHN F.	.	'85	BUFFALO, N. Y.
GARLAND, HENRY L., LL.B.	.	'86	OPELOUSAS, LA.
GARLAND, ROBERT E.	.	'87	OPELOUSAS, LA.
GARNETT, THOMAS	.	'70	NEW YORK CITY
GELT, GABRIEL E.	.	'82	HAVANA, CUBA
GIBLIN, JAMES M.	.	'88	NEW YORK CITY
GILLIGAN, JOHN E.	.	'94	VALLEY FALLS, N. Y.
GLEASON, EDWIN S., LL.B.	.	'96	NEW YORK CITY
GLEESON, WILLIAM E.	.	'81	PITTSBURG, PA.
GLEESON, REV. MATTHEW C.	.	'80	NEW YORK CITY
GLEESON, JAMES J., M.D.	.	'94	NEW HAVEN, CONN.
GLENNON, JOSEPH J.	.	'97	ALBANY, N. Y.
GLINNEN, WILLIAM J., M.D.	.	'94	BROOKLYN, N. Y.
*GLOVER, ROBERT O.	.	'66	NEW YORK CITY
GLOVER, FREDERICK R., M.D.	. Causa honoris		MOUNT VERNON, N. Y.
GOGGIN, REV. JAMES E.	.	'86	NEW YORK CITY
GOVERN, EDWARD J. C. E.	.	'93	"
GRADY, JAMES J., LL.B.	.	'73	"
*GRADY, REV. JOHN M.	.	'69	"
GRADY, HON. THOMAS F.	. Causa honoris		"
GRANT, WILLIAM E. A.	.	'98	BROOKLYN, N. Y.
GREANEY, JOHN J.	.	'98	IRELAND
GREELEY, MICHAEL N.	.	'88	NEW YORK CITY
GREEN, REV. JOHN J.	.	'79	CHICAGO, ILL.
GREENE, JAMES B., LL.B.	.	'89	WASHINGTON, D.C.
GRIFFIN, FRANCIS J., LL.B.	.	'91	NEW YORK CITY
GRIFFITH, WILLIAM H.	.	'80	"
GROVE, JOHN H., M.D.	. Causa honoris		PHILADELPHIA, PA.
GUINON, REV. WILLIAM J., D.D.	.	'82	NEW YORK CITY
HAGGERTY, JOHN J., F.S.C.	.	'93	ALBANY, N. Y.
HAGGERTY, TIMOTHY J.	.	'88	BROOKLYN, N. Y.
HAGGERTY, WILLIAM F.	.	'79	NEW YORK CITY
HAHN, GEORGE V., F.S.C.	.	'93	ROME, N. Y.
HALL, REV. JAMES J.	.	'78	PATERSON, N. J.
HALPIN, PAUL J., LL.B.	.	'91	NEW YORK CITY
HALLORAN, EDWARD J.	.	'91	"
HANNIGAN, REV. FRANCIS E.	.	'79	"
HARRINGTON, REV. JOHN J.	.	'90	"
HASSETT, EDWARD, LL.B.	. Causa honoris		"
HAVARD, VALERIO, M.D., U.S.N.	.	'68	"
*HAWKINS, WILLIAM J.	.	'85	RED BANK, N. J.
HAYES, REV. ALBERT J.	.	'88	SYRACUSE, N. Y.

HAYES, D. JAMES, M.D., . . .	'91	SYRACUSE, N. Y.
HAYES, REV. JAMES W. . . .	'71	NEW BRUNSWICK, N. J.
HAYES, REV. PATRICK J. . . .	88	NEW YORK CITY
HEAFY, REV. THOMAS J. . . .	'86	"
HEFELE, GEORGE H., C.E. . . .	'92	"
HENRY, EDWARD J. . . . .	'95	"
HENRY, WALTER G. . . . .	'98	"
*HEROLD, JOHN B., F.S.C. . . .	'76	"
HEROLD, JUSTIN, M.D. . . . .	Causa honoris	"
HICKEY, P. VALENTINE . . . .	'95	BROOKLYN, N. Y.
*HIGGINS, REV. EDWARD J. . . .	'87	ALBANY, N. Y.
*HIGGINS, REV. JOHN C. . . . .	'79	SYRACUSE, N. Y.
HOCTOR, JAMES E., LL.B. . . .	'85	NEW YORK CITY
HOLLAND, CORNELIUS J. . . . .	'95	FALL RIVER, MASS.
HOPKINS, REV. JOSEPH A. . . .	'87	BINGHAMTON, N. Y.
HOPKINS, OTIS A. . . . .	'75	BINGHAMTON, N. Y.
HORAN, REV. MICHAEL F. . . . .	'88	FORDHAM, N. Y.
*HOWARD, REV. JOHN J. . . . .	'77	HUDSON, N. Y.
HUGHES, JAMES J., LL.B. . . .	'91	NEW YORK CITY
HUGHES, WILLIAM C., LL.B. . . .	'96	"
HUNT, JOSEPH L. . . . .	'98	"
HURLEY, DANIEL J. . . . .	'83	TROY, N. Y.
*HURLEY, REV. JOHN A. . . . .	'71	FISHKILL, N. Y.
*IRVING, REV. THOMAS H. . . . .	'80	SING SING, N. Y.
JORDAN, JOHN T. . . . .	'98	PORT CHESTER, N. Y.
KANE, JOSEPH J., M.D. . . . .	'89	BUFFALO, N. Y.
*KAVANAGH, DANIEL A. . . . .	'81	CINCINNATI, O.
KEAN, REV. JOHN J., LL.D. . . .	'66	NEW YORK CITY
KEARNEY, ALFRED A. . . . .	'79	"
KEARNEY, CHARLES R., LL.B. . . .	'82	"
KEARNEY, JOHN J., LL.B. . . . .	'92	"
KEEFE, REV. RICHARD J. . . . .	'76	"
KEENAN, ALBERT J. . . . .	'97	BROOKLYN, N. Y.
KEENAN, JAMES P., LL.B. . . . .	'91	NEW YORK CITY
KEENAN, REV. THOMAS J. . . . .	'85	"
KEENAN, HENRY C., M.D. . . . .	'92	BROOKLYN, N. Y.
KELIHER, REV. MICHAEL F. . . .	'87	NEW YORK CITY
KELLY, REV. CORNELIUS S. . . .	'84	FALL RIVER, MASS.
KELLY, EDWARD H., LL.B. . . . .	'85	NEW YORK CITY.
KELLY, REV. JAMES W. . . . .	'77	"
KELLY, REV. JAMES S. . . . .	'71	"
*KELLY, THEODORE S. . . . .	'71	BROOKLYN, N. Y.
KELLY, THOMAS A. . . . .	'90	CENTRAL FALLS, R. I.
KELLY, FRANCIS R. . . . .	'94	NEW YORK CITY

KENNAH, JAMES B., LL.B.	.	.	'85	ALBANY, N. Y.
*KENNEDY, JOHN J.	.	.	'80	NEW YORK CITY
*KENNEDY, LEO E.	.	.	'95	BROOKLYN, N. Y.
*KENNY, REV. JOHN H.	.	.	'83	NEW YORK CITY
KERENS, RICHARD JR., A.M., LL.B.	.	.	'95	ST. LOUIS, MO.
KERWIN, REV. WILLIAM T.	.	.	'93	BROOKLYN, N. Y.
KIRBY, REV. WILLIAM S.	.	.	'85	"
*KOINE, CHARLES M.	.	.	'85	BUFFALO, N. Y.
KRACHT, GEORGE W., LL.B.	.	Causa honoris		NEW YORK CITY
KUERZI, FRANCIS J., LL.B.	.	.	'96	"
LALLY, MICHAEL J.	.	.	'90	NEW YORK CITY
LALOR, JOHN L., LL.B.	.	Causa honoris		MILWAUKEE, WIS.
LANE, THOMAS R., LL.B.	.	.	'73	NEW YORK CITY
*LANE, WILLIAM E.	.	.	'77	HUDSON, N. Y.
LANE, REV. FLORENCE A.	.	.	'94	CHICOPEE, MASS.
LARKIN, JOHN H., M.D.	.	.	'91	NEW YORK CITY
LARKIN, WILLIAM R., M.D.	.	.	'79	"
LARKIN, JAMES P., LL.B.	.	.	'94	UTICA, N. Y.
LASTRAPES, BRONIER H.	.	.	'86	OPELOUSAS, LA.
LASTRAPES, WILLIAM R., M.D.	.	.	'87	OPELOUSAS, LA.
LAVELLE, REV. FRANCIS E., LL.D.	.	.	'90	NEW YORK CITY
LAVELLE, REV. MICHAEL J., LL.D.	.	.	'73	"
LEDDIN, MICHAEL J.	.	.	'83	"
LENES, REV. FRANCIS B.	.	.	'80	"
LENNON, REV. JOHN J.	.	.	'86	"
LEON, ALEXIS, M.D.	.	.	'75	"
LINDSMAN, REV. JOHN L.	.	.	'89	"
LOFTUS, JAMES F.	.	.	'85	BUFFALO, N. Y.
LOGUE, DANIEL F.	.	.	'98	MANCHESTER, N. H.
LONARGAN, REV. JOHN P.	.	.	'80	NEW YORK CITY
LONARGAN, REV. MICHAEL J.	.	.	'84	"
LOPEZ, MICHAEL S., A.B.	.	.	'97	BROOKLYN, N. Y.
LOUGHRAN, REV. THOMAS J.	.	.	'83	PROVIDENCE, R. I.
LOUGHRAN, WILLIAM H., LL.B.	.	.	'82	BROOKLYN, N. Y.
LOUGHRAN, THOMAS V., LL.B.	.	.	'95	NEW YORK CITY
LOWNEY, REV. DENNIS M.	.	.	'84	PROVIDENCE, R. I.
LYNCH, JOHN E.	.	.	'82	HAVERSTRAW, N. Y.
LYNCH, REV. THOMAS F.	.	.	'66	NEW YORK CITY
LYNCH, JAMES C.	.	.	'94	OGDENSBURG, N. Y.
LYONS, FRANCIS J.	.	.	'83	EVERGREEN, N. Y.
MACDONA, HENRY, LL.B.	.	Causa honoris		NEW YORK CITY
MACDONALD, JOSEPH R.	.	.	'97	"
MACK, SAMUEL J.	.	.	'84	"
McLAUGHLIN, PATRICK D.	.	.	'94	IRELAND
MADDEN, FRANCIS M.	.	.	'90	RONDOUT, N. Y.

MADDEN, HENRY A. . . . .	'89	RONDOUT, N. Y.
MADDEN, REV. THOMAS . . . . .	'93	NEW YORK CITY
*MAGINN, FRANCIS E. . . . .	'88	"
MAGUIRE, REV. FRANCIS J., LL.D. . . . .	Causa honoris	ALBANY, N. Y.
MAHER, AUGUSTINE F., LL.B. . . . .	'90	NEW HAVEN, CONN.
MAHER, STEPHEN J., M.D. . . . .	Causa honoris	NEW HAVEN, CONN.
MAHER, JOHN F. . . . .	'96	NEW YORK CITY
MAHONEY, REV. DANIEL P. . . . .	'88	TROY, N. Y.
MAHONEY, REV. PAT'K J., S.T.D. . . . .	'84	NEW YORK CITY
MALANY, THOMAS P. . . . .	'72	"
MANLEY, THOMAS M.D. . . . .	Causa honoris	"
MANNING, J. THOMAS, LL.B. . . . .	'93	"
MANNING, HENRY E. . . . .	'94	WORCESTER, MASS.
MARA, REV. MICHAEL J. . . . .	'91	SYRACUSE, N. Y.
MARREN, JAMES P. . . . .	'87	NEW YORK CITY
MARSHALL, REV. GEORGE F. . . . .	'85	MILFORD, N. H.
MARTIN, EDWARD A. . . . .	'90	TARRYTOWN, N. Y.
McAVOY, FRANCIS S. . . . .	'81	WASH'GT'N HEIGHTS, N. Y.
McAVOY, JOHN V., A.B.. . . . .	'97	NEW YORK CITY
McAVOY, THOMAS F. . . . .	'96	"
McCABE, EDWARD D., M.D. . . . .	'84	NEW HAVEN, CONN.
McCABE, JAMES J. . . . .	'82	GREEN RIDGE, S. I.
McCABE, REV. MICHAEL J. . . . .	'89	PROVIDENCE, R. I.
*McCABE, REV. PATRICK H. . . . .	'75	HAVERSTRAW, N. Y.
McCAFFERTY, JOHN A. . . . .	'95	NEW YORK CITY
McCARTHY, REV. DANIEL J. . . . .	'90	BROOKLYN, N. Y.
McCARTHY, REV. FRANCIS P. . . . .	'83	PROVIDENCE, R. I.
McCARTHY, TIMOTHY A., LL.B. . . . .	'95	NEW YORK CITY
McCLANCY, REV. JOHN P., LL.D. . . . .	'66	MIDDLETOWN, N. Y.
McCLOSKEY, JOSEPH M., LL.B. . . . .	'95	WAPPINGER'S FALLS, N. Y.
McCLURE, DAVID, LL.B. . . . .	Causa honoris	NEW YORK CITY
McCLUSKEY, REV. THOMAS J., S.J. . . . .	'74	FREDERICK, Md.
McCOOBERY, JOSEPH T., LL.B. . . . .	'80	JERSEY CITY, N. J.
McCORRY, REV. PATRICK J., C.S.P. . . . .	'96	NEW YORK CITY
McCUSKER, JOHN F., M.D. . . . .	'86	PROVIDENCE, R. I.
McDONOUGH, CHARLES J. . . . .	'92	BUFFALO, N. Y.
McDONALD, REV. JOSEPH V. . . . .	'87	NEW YORK CITY
McDONNELL, JAMES S. . . . .	'96	"
McDOWELL, JOHN E. . . . .	'98	SYRACUSE, N. Y.
McFADDEN, GEORGE J. . . . .	'72	NEW YORK CITY
McGARE, REV. THOMAS F. . . . .	'74	MONTICELLO, N. Y.
McGINNIS, EUGENE F. . . . .	'96	NEW YORK CITY
McGINNIS, MICHAEL, LL.B. . . . .	'76	BRIDGEPORT, CONN.
McGOLDRICK, REV. EDWARD J. . . . .	'77	BROOKLYN, N. Y.
McGOLDRICK, EDWARD V. . . . .	'98	BROOKLYN, N. Y.
McGOLDRICK, MICHAEL, LL.B. . . . .	Causa honoris	BROOKLYN, N. Y.
McGOLDRICK, PETER J. . . . .	'98	BROOKLYN, N. Y.

McGOLDRICK, THOMAS A., M.D.	'93	BROOKLYN, N. Y.
McGOVERN, MATTHEW	'97	IRELAND
McGOVERN, REV. PETER P.	'90	JAMAICA, L. I.
*McGOVERN, TERENCE A.	'81	NEW YORK CITY
*McGOWAN, MICHAEL J.	'69	"
McGRAW, JAMES P.	'97	SYRACUSE, N. Y.
*McKENNA, EDWARD F.	'83	ALBANY, N. Y.
McKENNA, JOHN B., M.D.	'84	PROVIDENCE, R. I.
McKENNA, JOSEPH D.	'98	BROOKLYN, N. Y.
McKENNA, WILLIAM J.	'85	FAR ROCKAWAY, N. Y.
*McKEON, JOSEPH L., LL.B.	'82	NEW YORK CITY
McLAUGHLIN, HUGH	'74	WESTCHESTER, N. Y.
McLEAN, HENRY C., M.D.	'69	BROOKLYN, N. Y.
*McMAHON, DENNIS A.	Causa honoris	MORRISANIA, N. Y.
McMAHON, REV. DENIS J., D.D.	'76	WEST FARMS, N. Y.
McMAHON, JOHN B., M.D.	'73	NEW YORK CITY
McMAHON, REV. JOSEPH H., Ph.D.	'80	"
*McMANNIS, FRANCIS J.	'81	MOUNT REID, N. Y.
McMANNIS, WILLIAM F., M.D.	Causa honoris	NEW YORK CITY
McMANUS, PATRICK A., LL.B.	'78	"
McNALLY, SIMON T.	'97	NEW YORK CITY
McMULLEN, JOHN R.	'86	BROOKLYN, N. Y.
McMURRAY, REV. FRANCIS J.	'92	BROOKLYN, N. Y.
McNAMARA, REV. JAMES J.	'93	NORTH TARRYTOWN
McNAMARA, REV. JAMES F.	'89	SYRACUSE, N. Y.
McNAMARA, CHARLES A.	'95	SYRACUSE, N. Y.
McNAMARA, SYLVESTER J., M.D.	'89	BROOKLYN, N. Y.
McNEELY, JAMES A.	'90	BROOKLYN, N. Y.
*MacOSCAR, THOMAS, M.D.	Causa honoris	IRELAND
McPARLAN, EDWARD C., LL.B.	'93	NEW YORK CITY
McPARLAN, THOMAS F., M.D.	'88	"
McPEAK, JOSEPH T., C.E.	'94	"
McQUADE, JOHN J. S.	'98	"
*McSORLEY, PETER A.	'70	BROOKLYN, N. Y.
MEAGHER, DENNIS A.	'67	PORTLAND, ME.
MEEGAN, REV. EDWARD J.	'92	ALBANY, N. Y.
MEEHAN, REV. WILLIAM F.	'88	NEW YORK CITY
MERRIGAN, BRENDAN V., LL.B.	'92	"
MERTENS, JOSEPH C.	'93	DETROIT, MICH.
MILAY, MICHAEL J.	'97	IRVINGTON, N. Y.
MITCHEL, ARTHUR J.	'92	BROOKLYN, N. Y.
*MITCHEL, REV. JAMES H., LL.D.	'74	BROOKLYN, N. Y.
MONAHAN, DAVID H.	'83	SOUTHINGTON, CONN.
MONTAGUE, WILLIAM A.	'95	NEW YORK CITY
MOONEY, REV. MICHAEL F.	'87	TROY, N. Y.
MOORE, REV. FRANCIS P.	'87	NEW YORK CITY

MOORE, SAMUEL B. . . .	'97	PEEKSKILL, N. Y.
MORRIS, EDWARD J. . . .	'80	BROOKLYN, N. Y.
MORRIS, REV. JOHN J. . . .	'89	NEW YORK CITY
MORRIS, JOHN T., Ph.D. . . .	Causa honoris	BALTIMORE, MD.
MULCAHY, CORNELIUS J. . . .	'98	NEW YORK CITY
MULLANY, REV. JOHN F., LL.D. . . .	Causa honoris	SYRACUSE, N. Y.
MULLINS, DENNIS P. . . .	'89	NEW YORK CITY
MORRISON, RICHARD J., LL.B. . . .	'69	"
MUNDELEIN, REV. GEORGE W. . . .	'89	"
MURPHY, FELIX T., LL.B. . . .	'74	BROOKLYN, N. Y.
MURPHY, JOSEPH P., M.D. . . .	'91	STATE LINE, MASS.
*MURPHY, REV. MICHAEL J. . . .	'66	FAR ROCKAWAY, N. Y.
MURPHY, JOHN A., M.D. . . .	'94	NEW HAVEN, CONN.
MURPHY, REV. EDWARD J. . . .	'95	CHICOPEE, MASS.
MURPHY, RICHARD D. . . .	'98	CHICOPEE, MASS.
MURRAY, HUGH A. . . .	'87	NEW YORK CITY
MURRAY, REV. LAWRENCE E. . . .	'83	"
MURRAY, REV. MICHAEL J. . . .	'78	"
MURRAY, PATRICK J., M.D. . . .	'92	BROOKLYN, N. Y.
MUSGRAVE, CHRIS. J., M.D. . . .	'84	NEW YORK CITY
NAGLE, JOHN J. . . .	'98	NEW YORK CITY
NEVIN, JOHN J., M.D. . . .	'82	JERSEY CITY, N. J.
NEWMAN, GEORGE B. . . .	'98	NEW YORK CITY
*NICHOLASON, JAMES F. . . .	'77	TROY, N. Y.
*NOLAN, JAMES M., LL.B. . . .	'92	PATERSON, N. J.
*NOONAN, REV. JOHN A. . . .	'71	NEW YORK CITY
NORRIS, JOSEPH I. . . .	'97	"
NUGENT, JOSEPH A. . . .	'84	"
O'BRIEN, EDMUND A. . . .	'79	TROY, N. Y.
O'BRIEN, JAMES W., LL.D. . . .	Causa honoris	NEW YORK CITY
O'BRIEN, REV. JOHN J. . . .	'92	"
O'BRIEN, MICHAEL C., M.D. . . .	'78	"
OBRIEN, REV. THOMAS J. . . .	'88	BROOKLYN, N. Y.
O'BRIEN, JOHN E., LL.B. . . .	'95	MANCHESTER, N. H.
O'CALLAGHAN, EDWARD A., LL.B. . . .	'95	JERSEY CITY, N. J.
O'CONNELL, PATRICK F. . . .	'84	NEW YORK CITY
*O'CONNOR, REV. EDWARD F. . . .	Causa honoris	CLAYVILLE, N. Y.
O'CONNOR, CHARLES V., F.S.C. . . .	'81	NEW YORK CITY
O'CONNOR, REV. JAMES P. . . .	'79	TROY, N. Y.
O'CONNOR, THOMAS C. . . .	'85	BUFFALO, N. Y.
O'CONNOR, JAMES P., LL.B. . . .	'94	NEW YORK
O'CONNOR, CHARLES G. . . .	'95	BROOKLYN, N. Y.
O'GORMAN, DENNIS F. . . .	'90	NEW YORK CITY
O'GRADY, JOHN J. . . .	'84	ATHENS, N. Y.
O'KEEFE, GEORGE J., LL.B. . . .	'92	BROOKLYN, N. Y.

O'LEARY, ARTHUR J., M.D.	'87	NEW YORK CITY
O'LEARY, CHARLES J.	'89	"
O'LEARY, CORNELIUS M., M.D.	Causa honoris	"
*O'LEARY, THOMAS J., LL.B.	'84	"
O'MARRA, THOMAS J., M.D.	'92	JERSEY CITY, N. J.
O'MEARA, REV. PATRICK J.	'76	PIERMONT, N. Y.
O'NEIL, EDWIN D., M.D.	'68	NEW YORK CITY
O'NEIL, FRANCIS J.	'75	ALBANY, N. Y.
O'NEIL, REV. DENIS P.	'78	PORT JERVIS, N. Y.
O'NEIL, REV. FRANCIS H.	'94	MANCHESTER, N. H.
O'NEILL, REV. WILLIAM A.	'66	NEW YORK CITY
O'REILLY, GEORGE M.	'98	"
O'RORKE, JOHN J., M.D.	'74	"
O'ROURKE, ANDREW A.	'84	"
O'ROURKE, JOHN A., LL.B.	'88	"
O'SHEA, WILLIAM J.	Causa honoris	"
*O'SHAUGHNESSY, REV. JNO. E.	'83	"
PAINE, WILLIS S. PH.D.	Causa honoris	"
PECH, JAMES PH.D., LL.D.	Causa honoris	"
PELTIER, PAUL	Causa honoris	ST. LOUIS, MO.
PETRIE, ALBERT W.	'90	NEW YORK CITY
PFOHL, EDWARD, M.D.	'85	BUFFALO, N. Y.
PHELAN, JAMES T., C.E.	'97	NEW YORK CITY
PHELAN, THOMAS F.	'88	TROY, N. Y.
PHELAN, REV. THOMAS P.	'91	NEW YORK CITY
PHELAN, JOHN J.	'95	"
PODVIN, EDWARD C., M.D.	'95	ADAMSVILLE, N. Y.
PRENDERGAST, REV. EDWARD R.	'79	BOONVILLE, N. Y.
PRIAL, JOHN J.	'90	NEW YORK CITY.
PURCELL, REV. WALTER A.	'78	SOUTH ORANGE, N. J.
PYNE, PATRICK H., M.D.	Causa honoris	YONKERS, N. Y.
QUIGLEY, JOHN J., M.D.	'81	NEW YORK CITY
QUINN, REV. DANIEL A.	'91	"
QUINN, DENNIS J., LL.B.	'86	"
*QUINN, PIERCE J., LL. B.	'79	"
QUINN, PETER J.	'86	PAWTUCKET, R. I.
QUINN, REV. WILLIAM	'87	NEW YORK CITY
QUINN, WILLIAM V.	'97	UTICA, N. Y.
RAFFERTY, PETER P., M.D.	'94	HIGHLANDS, N. J.
REILLY, CHARLES B.	'89	PROVIDENCE, R. I.
REILLY, REV. THOMAS J.	'77	"
REILLY, JOHN, LL.B.	Causa honoris	NEW YORK CITY
RENGEL, REV. EDWARD J.	'88	BUFFALO, N. Y.
*RENAHAN, EDWARD J.	'88	YONKERS, N. Y.

RIGNEY, REV. JAMES C.	'76	FORDHAM, N. Y.
RIORDAN, DANIEL J.	'90	NEW YORK CITY
ROCHE, DAVID	'98	"
ROCHE, NICHOLAS J.	'84	"
ROCHE, WILLIAM	Causa honoris	TROY, N. Y.
*RODGERS, DOMINICK	'83	PHILADELPHIA, PA.
RONAN, JOSEPH F.	'86	NEW YORK CITY
RONAYNE, JOHN A., M.D.	'93	WORCESTER, MASS.
RONAYNE, REV. PATRICK T.	'85	NEW YORK CITY
ROWAN, JOHN P., M.D.	'95	BROOKLYN, N. Y.
*RUHL, ANTHONY G.	'95	NEW YORK CITY
RYAN, JOHN H.	'86	"
RYAN, MOST REV. PATRICK J.	Causa honoris	PHILADELPHIA, PA.
RYBACK, VICTOR F.	'94	NEW YORK
SAIZAN, JOSEPH P., M.D.	'86	NEW ORLEANS, LA.
SALTER, REV. JOHN B.	'69	TUCKAHOE, N. Y.
SANDERS, REV. GEORGE D.	'84	BROOKLYN, N. Y.
SEYMOUR, FIELDING L. A., C.E.	'94	NEW YORK
SHALLEW, WILLIAM J.	'93	YONKERS, N. Y.
*SHANDLEY, EDWARD F.	'88	NEW YORK CITY
SHANDLEY, THOMAS B.	'83	"
SHAW, JAMES J.	'83	YONKERS, N. Y.
SHEA, DENNIS L., M.D.	'87	NEW YORK CITY
SHEA, JOHN J., M.D.	'93	"
SHEA, MICHAEL F.	'98	MANCHESTER, N. H.
SHEEHAN, WILLIAM J.	'92	EASTHAMPTON, N. Y.
SHEIL, JAMES J.	'97	NEW YORK CITY
SHIEL, PETER A., LL.B.	'96	"
SHERIDAN, FRANCIS J.	'75	"
*SHERIDAN, REV. PATRICK F.	Causa honoris	LONG ISLAND CITY
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MILLER, CHARLES J.	'85	NEW YORK
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MOCLAIR, WILLIAM J.	'98	"
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MULDOON, JOHN P.	'83	NEW YORK
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In the hope that friends of the College and of Christian education will remember the needs of the College, the following form of bequest is appended :

*I give and bequest to Manhattan College, New York City,  
.....dollars,\*to be appropriated by the Trustees for  
the benefit of the College, in such manner as they shall think will be  
most useful.*

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\*or, "to be added to its Endowment Fund."

or, "to be added to its Scholarship Fund."

or, "to be added to its Prize Fund."

# INDEX.

	PAGE.
OFFICERS OF THE COLLEGE . . . . .	2
CALENDAR 1898-99 . . . . .	3
GENERAL STATEMENT . . . . .	5
Courses . . . . .	5
Methods . . . . .	5
Pedagogy . . . . .	6
Discipline . . . . .	7
Library . . . . .	7
Museum . . . . .	7
Affiliated Institutions . . . . .	8
COLLEGE DEPARTMENTS . . . . .	9
PRIZES . . . . .	10
Scholarship Foundations . . . . .	10
FEES . . . . .	12
ARTS DEPARTMENT . . . . .	13
Admission. . . . .	14
Certificates . . . . .	16
Classical Course . . . . .	17
Latin-Science Course . . . . .	19
PEDAGOGY . . . . .	21
State Certificate . . . . .	21
Courses . . . . .	21
COLLEGE BY-LAWS (EXTRACT) . . . . .	22
Examinations . . . . .	22
Thesis . . . . .	23
Degrees . . . . .	23
SCIENCE DEPARTMENT . . . . .	24
Courses . . . . .	24
Admission . . . . .	26
Regents' Certificate . . . . .	27
Civil Engineering . . . . .	28
Electrical Engineering . . . . .	30
Architecture . . . . .	32
English-Science . . . . .	34

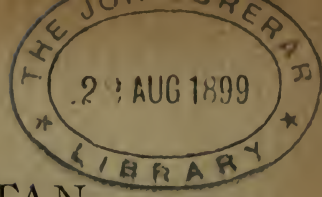
BY-LAWS . . . . .	38
Examinations . . . . .	38
Vacation Work . . . . .	38
Field Work . . . . .	38
Excursions . . . . .	39
Thesis . . . . .	39
HIGHER DEGREES . . . . .	40
Master's Degree . . . . .	40
Degree of Civil Engineer . . . . .	40
Courses of Study—Arts . . . . .	40
Courses of Study—Science . . . . .	41
COURSES OF STUDY . . . . .	43
Architecture . . . . .	44
Astronomy . . . . .	45
Chemistry . . . . .	45
Drawing . . . . .	46
Electricity . . . . .	46
Engineering . . . . .	47
English . . . . .	50
French . . . . .	51
Geology . . . . .	52
German . . . . .	53
Greek . . . . .	54
History . . . . .	54
Latin . . . . .	56
Mathematics . . . . .	57
Mechanics . . . . .	57
Pedagogy . . . . .	58
Philosophy . . . . .	60
Physics . . . . .	61
ACADEMIC DEPARTMENT . . . . .	63
Admission . . . . .	64
Examinations . . . . .	64
Reports . . . . .	65
Home Study . . . . .	65
Attendance . . . . .	66
Courses . . . . .	67
SPECIAL LATIN CLASS . . . . .	69
ACADEMIC COURSES IN FRENCH . . . . .	70
ACADEMIC COURSES IN GERMAN . . . . .	71
COMMERCIAL DEPARTMENT . . . . .	73
Statement . . . . .	74
Courses . . . . .	76

COLLEGE SOCIETIES . . . . .	80
The Alumni Society . . . . .	80
Class Societies . . . . .	81
CLASS EXERCISES . . . . .	85
LECTURES . . . . .	92
COMMENCEMENT EXERCISES . . . . .	105
Degrees Conferred . . . . .	105
Purse and Prizes . . . . .	111
STUDENTS' ROLL . . . . .	113
GRADUATE LIST . . . . .	120









MANHATTAN  
COLLEGE  
NEW YORK CITY

CATALOGUE  
1898-99







THE COLLEGE AS SEEN FROM THE BOULEVARD

UNIVERSITY OF THE STATE OF NEW YORK

MANHATTAN COLLEGE

GRAND BOULEVARD AND 13<sup>TH</sup> STREET

NEW YORK

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CONDUCTED BY

THE BROTHERS OF THE CHRISTIAN SCHOOLS

1898-99

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TREASURER

## CALENDAR FOR 1899—1900.

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1899.

September	6—Wednesday—Entrance Examinations.
September	7—Thursday—Class Exercises begin.
September	12—Tuesday—Mass of Invocation.
September	18—Monday—Elocution Classes begin.
September	25—Monday—College Societies reorganize.
October	10—Wednesday—Fall Games.
October	16—Monday to Wednesday (incl.)—Annual Retreat.
October	25—Wednesday—Winter Course of Lectures begins.
November	1—Monday—Feast of All Saints ; Holiday.
November	2—Tuesday—All Souls' Day.
November	30—Thursday—Thanksgiving Day—Holiday, Literary Exercises, Freshman Class.
December	8—Friday—Immaculate Conception ; Holiday.
December	22—Friday—Seniors' Day.
December	23—Christmas Recess.

1900.

January	3—Wednesday—Christmas Recess ends.
January	12—Winter Course of Lectures resumed.
January	17—Winter Examinations begin.
February	1—Thursday—Second College Term begins.
February	12—Monday—Lincoln's Day—Juniors' Day.
February	22—Thursday—Washington's Birthday—First Elocution Contest for the Grady Medal.
March	17—Saturday—St. Patrick's Day ; Holiday. Sophomores' Day.
April	14—Saturday—Easter Recess begins.
April	19—Thursday—Class Exercises resumed.

- May 4—Friday—Feast of the Blessed De La Salle. Oratorical Contest for the Grady Medal.
- May 24—Thursday—Ascension Day ; Holiday.
- May 30—Wednesday—Decoration Day ; Memorial Services for the Deceased Alumni ; Prize Speaking, Academic Department.
- June 4—Monday—Examinations begin.
- June 21—Tuesday—Commencement Day.

# MANHATTAN COLLEGE.

## GENERAL STATEMENT.



MANHATTAN COLLEGE was opened in 1849 as an academy for young men desiring advanced instruction. From its location in Canal street, it was transferred in 1853 to its present site on the Grand Boulevard. It was then known as the Academy of the Holy Name, and it was only some years later that the present title was adopted. In 1863 the Institution was incorporated as a College by the Regents of the University of the State of New York, with power to confer the usual academic degrees.

**COURSES.** The College offers two departments of study, each comprising several courses leading to degrees. The object of this Institution is to afford the student means of receiving the highest grade of liberal training. It aims at forming the Christian gentleman and good citizen, while at the same time, the several courses of study afford the necessary preparation for the various walks of life. The College is situated within easy reach of the public libraries of the city, the art galleries and the various collections in zoology and geology.

**ARTS.** The Classical Course in the Department of Arts leads to the degree of Bachelor of Arts. The conditions governing admission, together with the special studies required, will be found under their proper headings in the catalogue.

**SCIENCE.** The courses in the Science Department are four in number, viz.: Civil Engineering, Electrical Engineering, Architecture and the English-Science course. The training in this department is of a technical character, and the studies lead to the degree of Bachelor of Science in the respective courses.

**METHODS.** The methods in use are those generally adopted in institutions directed by the Brothers of the Christian schools. They are the fruit of years of observation, comparison, and trial, improved and extended by experience.

Care is taken that every branch prescribed be thoroughly studied, and that nothing be learned merely by rote. With this view, the students discuss the subject-matter of each lesson in class, independently of the language of the text book, criticise one another's work and give free expression to their opinion on all points open to debate. They thus acquire ideas instead of mere words, they digest what they learn, and develop thoughtfulness, self-reliance and facility of expression.

Since the vernacular language and literature constitute an essential feature of a sound education, special attention is given to their study, and no effort is omitted to make the students proficient in speaking and writing the English language.

The great importance of science subjects in a system of instruction which aims at being in accordance with the trend of modern ideas has been carefully kept in view. The program embraces the leading requirements in Physics, Chemistry, Geology, Physiology, a fair knowledge of which is considered essential to a liberal education.

PAEDAGOGY. In the interest of students who intend to embrace the teaching profession, a course in Pedagogy and the History of Education has been added to the Arts course. Facilities are offered for acquiring a good knowledge, not only of the science of Pedagogy, but also of the art of teaching. The work done in this course will receive full recognition from the Department of Public Instruction.

ACADEMIC DEPARTMENT. Besides the college proper, there is an Academic Department. The course requires four years, and prepares the student for the Freshman class. The grade of work is that of the ordinary high school, requiring for admission a well-grounded grammar course. From this department the student may enter any of the college courses ; or if unable to devote sufficient time to academic subjects, may enter the Commercial course.

COMMERCIAL DEPARTMENT. The Commercial course provides for the wants of young men who intend to engage in mercantile pursuits. All the subjects that are considered necessary for a comprehensive modern business training are included in the program, to which are added courses of general instruction in Mathematics and Natural Science.

Younger students who desire to prepare for the Academic Department and thereby for the College proper, are received into the Preparatory Department. The studies cover the matter usually taught in the best grade grammar schools. Pupils are received in this department from the age of eight years, and are entirely separated from the other students, having separate study hall, dining-room, and recreation-room.

The College being conducted by a religious body, it is hardly necessary to say that every attention is bestowed on the moral and religious training of the student. Christian doctrine is taught in all the classes of the Collegiate, Academic and Commercial Departments. Regular attention to religious duties is required of all students. Whilst the College is Catholic in its tone and teaching, non-Catholic students are received ; but for the requirements of discipline, they are expected to conform to the general regulations of the College. For discipline the College authorities rely on moral influence and advice to secure that propriety of conduct and diligence in study which should ever characterize the young Catholic gentleman.

The session begins on the first Tuesday in September and ends the last Tuesday in June. It is divided into two terms, beginning respectively on the first Tuesday in September and on the first day of February.

Students may attend either as Day Scholars or reside in the College, subject to regulations necessary for the maintenance of good order and discipline.

The daily class-session opens at 8.30 A. M. and ends at 3.30 P. M. A recess of one hour and a quarter is taken towards noon. Punctual attendance is required of all students.

The Library contains nearly 11,000 volumes, and additions are regularly made to keep the general reference section abreast of modern development. It is open from 8 A. M. to 9 P. M., and the students are permitted free access to its shelves. The best current periodicals are received and placed on file.

The College Museum contains a large collection of typical minerals, an extensive cabinet of zoölogy and conchology and a herbarium of the flora of the vicinity.

The geological collection contains a large number of specimens that will repay close study. The laboratories of Chemistry and Physics afford the student ample opportunities to examine for himself the principles explained in the lecture-room.

The course of studies adopted by the institutions affiliated to Manhattan College is almost identical with that pursued  
**AFFILIATED**  
**INSTITUTIONS.** by the Academic Department of the College, and thus offers to students graduating from them the privilege of entering the College without further examination. Students from these institutions who desire advanced standing must satisfy the Board of Examiners that their previous studies qualify them for the class which they desire to enter.

## MANHATTAN COLLEGE COMPRISES :

1. THE COLLEGE PROPER, consisting of :

*a.* THE ARTS DEPARTMENT.

*b.* THE SCIENCE DEPARTMENT.

2. THE ACADEMIC DEPARTMENT.

3. THE COMMERCIAL DEPARTMENT.

4. THE PREPARATORY SCHOOL.

5. THE AFFILIATED INSTITUTIONS :

DE LA SALLE INSTITUTE, New York City.

LA SALLE ACADEMY, New York City.

LA SALLE INSTITUTE, Troy, N. Y.

CHRISTIAN BROTHERS' ACADEMY, Albany, N. Y.

LA SALLE ACADEMY, Providence, R. I.

SACRED HEART ACADEMY, Westchester, N. Y.

ST. JOSEPH'S COLLEGIATE INSTITUTE, Buffalo, N. Y.

ST. JOSEPH'S HIGH SCHOOL, Manchester, N. H.

ST. JAMES' HIGH SCHOOL, Brooklyn, N. Y.

## PRIZES.

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1. The Alumni of Manhattan College offer yearly a purse of Fifty Dollars for the best English essay. This prize is **ALUMNI PRIZE.** open to the students of the Senior class, and the subject for the essay is announced at the beginning of October each year.

2. **THE MILMO-MCGOWAN MEDAL** for Religious Instruction, founded by Mrs. B. McGowan, in memory of her son, Michael J. McGowan, '69, is open to all the students of the College classes. The examination takes place in June.

3. **THE KELLY MEDAL** for Philosophy, open to the students of the Senior class, was founded by the late Mr. Eugene Kelly of New York City. The conditions governing this medal are announced in the course of each year towards the opening of the second term.

4. **THE GRADY MEMORIAL MEDAL** for Oratory was founded by the Alumni Society in honor of their president, Rev. John M. Grady, '69. Two contests are held for this medal: the preliminary, on Washington's Birthday, open to the students of the Collegiate department; the final, held on May 4th, open to those competitors who receive the highest mark in the first contest.

5. **THE DEVLIN MEDAL** for Classics, founded by Mr. Charles E. Miller, of New York City, in honor of his friend and partner, Mr. John E. Devlin, is offered in competition to the students of the College classes. The special matter forming the subject of examination is announced each year, towards the end of the first term.

6. **THE HOGUET MEDAL** for Mathematics, the gift of the late Mr. Henry L. Hoguet, is offered in competition to all the students of the College classes. This medal is awarded on the merits of a series of papers written during the year.

7. **THE LAVELLE MEDAL** for Latin Composition is yearly offered by the Rev. Michael J. Lavelle, LL.D., '73, Rector of St. Patrick's Cathedral, New York City. This prize is open to the students of all the College classes except the Senior class.

The subject is not announced until the students are assembled for the competitive examination. In determining the merits of the papers, not only the grammatical and idiomatic correctness of the essay is taken into account, but also its excellence from a literary standpoint.

8. THE MITCHELL MEDAL, founded by the Brooklyn Alumni and the friends of the late Rev. James H. Mitchell, LL.D., '74, is awarded to the student of the Senior class, who attains the highest average in the study of the Philosophy of History.

9. THE DOELGER SCHOLARSHIP, founded by Mr. Peter Doelger, of New York City, is awarded by the President of the College to some deserving student.

In connection with the above, it is the desire of the Faculty to call attention to the conditions necessary to found a scholarship. The amount required for a day student is fifteen hundred dollars; for a boarder, six thousand dollars. This gives the founder the right to keep in perpetuity one student at the College. Students enjoying the privilege of a scholarship are expected to keep a satisfactory rank in their respective classes.

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### FEES.

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Board, Tuition, Physician's Fee, Washing, per session of ten months, . . . . .	\$350 00
Day Students; Collegiate and Commercial Departments, . . . . .	100 00
"    Academic Department, . . . . .	75 00
"    Dinner at College, . . . . .	60 00
Vacation at College, . . . . .	50 00
Use of Laboratory and Apparatus, Scientific Department, . . . . .	5 00
Use of Typewriter, . . . . .	5 00
Music: Piano, \$80. Other Instruments, \$50. . . . .	
Graduation Fee, . . . . .	10 00
Certificate Fee, . . . . .	5 00

For the support of Athletics the student body levies a tax of Five Dollars on every member of the respective classes.

Payment of the Half Session of five months is required in advance.

Remittances from outside New York City are to be made by draft or by post-office order payable at Station J.

No money will be advanced to students for clothing or other incidentals unless a sufficient sum be deposited with the Treasurer to meet such expenses.

The pocket money of the students may be deposited with the Treasurer.

## ARTS DEPARTMENT.

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This Department offers but one complete course:

### THE CLASSICAL COURSE.

It extends over a period of four years.

For conditions of admission see below.

Both Latin and Greek are required, but English and Mathematics are carefully cultivated. The Natural Sciences studied include Chemistry, Physiology, Physics and Geology.

Philosophy may be studied in Latin or in English, at the option of the student, but no change from one to the other will be permitted.

Students successfully completing this course receive the degree of Bachelor of Arts.

## REQUIREMENTS FOR ADMISSION,

### ARTS DEPARTMENT.

The requirements stated below are those laid down by the Regents of the University of the State of New York.

I.—ENGLISH. All candidates for admission to the Freshman class must pass a written examination in English, and no candidate will be admitted whose knowledge of spelling, punctuation and diction is seriously defective.

READING.—A certain number of books is set for reading. The candidate will be required to present evidence of a general knowledge of the subject-manner, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the book. In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books selected for reading, are:

1899: *Palamon and Arcite*; *Iliad*, Books I, VI, XXII and XXIV; *The Sir Roger de Coverly Papers*; *The Vicar of Wakefield*; *Ancient Mariner*; *The Flight of a Tartar Tribe*; *The Last of the Mohicans*; *Vision of Sir Launfal*; *The House of the Seven Gables*.

1900: *Palamon and Arcite*; *Iliad*, Books, I, VI, XXI and XXII; *The Vicar of Wakefield*; *Ivanhoe*; *The Flight of a Tartar Tribe*; *The Last of the Mohicans*; *The Princess*; *Vision of Sir Launfal*; *The Sir Roger de Coverly Papers*.

1901 : *Ivanhoe* ; *Iliad*, Books I, IV, XXII and XXIV ; *The Sir Roger de Coverly Papers* ; *The Vicar of Wakefield* ; *The Last of the Mohicans* ; *The Princess* ; *Ancient Mariner* ; *Silas Marner* ; *The Merchant of Venice*.

1902 : *Ivanhoe* ; *Iliad*, Books I, VI, XXII and XXIV ; *The Sir Roger de Coverly Papers* ; *The Vicar of Wakefield* ; *The Last of the Mohicans* ; *The Princess* ; *Ancient Mariner* ; *Silas Marner* ; *The Merchant of Venice*.

STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form, and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and on leading facts in those periods of English literary history to which the prescribed books belong.

The books selected for study and practice, 1899 to 1902, inclusive are :

1899 : *Macbeth* ; *Paradise Lost*, Books I and II ; *Speech on Conciliation with America* ; *Essay on Burns*.

1900 : *Macbeth* ; *Paradise Lost*, Books I and II ; *Speech on Conciliation with America* ; *Essay on Milton and on Addison*.

1901 : *Macbeth* ; *Speech on Conciliation with America* ; *Essay on Milton and on Addison* ; Milton's Minor Poems : *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*.

1902 : *Macbeth* ; *Speech on Conciliation with America* ; *Essay on Milton and on Addison* ; Milton's Minor Poems : *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*.

2. <sup>1</sup> LATIN.—Grammar, Allen & Greenough's or equivalent, including Prosody. Cæsar, *Gallie War*, Books I–IV. Cicero, six orations. Reading at sight of a short passage of easy Latin prose. Virgil, *Æneid*, Books I–VI. Latin Prose Composition.

3. GREEK.—Grammar, Goodwin's or equivalent, including Prosody. Xenophon, *Anabasis*, Books I–III. Homer, *Iliad*, Books I–III. Greek Prose Composition, Jones' twenty exercises or equivalent.

The principal aim of the examination for entrance to the Classical course is to ascertain whether the student is sufficiently prepared to undertake with profit the higher branches of study rather than to see whether he has read a fixed amount of matter.

4. MATHEMATICS.—Arithmetic, complete, including the Metric System. Algebra, through Quadratics. Geometry, Wentworth's, Books I–V, or equivalent.

5. HISTORY.—Greek History, to the death of Alexander the Great ; Roman History, to the accession of Constantine ; United States History.

6. GEOGRAPHY.—Historical Geography of Greece, Rome and the United States. Modern Geography.

7. PHYSICS.—Elements of Natural Philosophy.

Students from affiliated schools presenting certificates of having satisfactorily completed the course of studies in said  
**CERTIFICATES.** schools, will be admitted to the corresponding class in the College without further examination.

Certificates of the Regents of the University of the State of New York may replace the examination for admission, provided they have been issued within the year, or the candidate has a certificate of continued study since their date of issue. The candidate will, however, be examined upon such subjects as are not covered by Regents' certificates.

Candidates who fail in some of the entrance requirements may be permitted to join the Freshman class conditionally, but all such conditions must be removed by the end of the first term of the Freshman year.

Candidates who desire to obtain advanced standing must furnish satisfactory proof of their ability to follow the class which they desire to enter.

## CLASSICAL COURSE.

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### FRESHMAN CLASS.

- LATIN.—Prose Composition (Latin E).  
    Reading. First Term (Latin A).  
              Second Term (Latin D).  
    History. (Latin C).  
GREEK.—Prose Composition. (Greek D).  
    Reading. First Term (Greek A).  
              Second Term (Greek B).  
ENGLISH.—Rhetoric. (English A).  
    Selections. (English K).  
    Ancient History. (History A and B).  
    Exercises in Outlining Subjects. (English A).  
PHYSICS.—(Physics B).  
MATHEMATICS.—First Term (Mathematics A).  
                  Second Term (Mathematics B).  
FRENCH OR GERMAN.  
RELIGIOUS INSTRUCTION.

### SOPHOMORE CLASS.

- LATIN.—Prose Composition (Latin I).  
    Reading. First Term (Latin F).  
              Second Term (Latin H).  
GREEK.—Prose Composition. (Greek I).  
    Reading. First Term (Greek E).  
              Second Term (Greek G).  
ENGLISH.—Literature. (English D and J).  
    Reading—Selections to illustrate *Books and Reading*.  
    Essays. (English B.)  
    Modern History. (History C and D).  
NATURAL HISTORY.—Botany.  
ELEMENTARY CHEMISTRY.—(Chemistry A).  
MATHEMATICS.—First Term (Mathematics C and D).  
                  Second Term (Mathematics E).  
FRENCH OR GERMAN.  
RELIGIOUS INSTRUCTION.

## CLASSICAL COURSE.

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### JUNIOR CLASS.

- LATIN.—Prose Composition (Latin N).  
Reading. First Term (Latin J).  
Second Term (Latin L).  
GREEK.—Prose Composition (Greek M).  
Reading. First Term (Greek J).  
Second Term (Greek L).  
ENGLISH.—Oratorical Composition (English C).  
Reading (English E).  
Modern History (History E).  
NATURAL SCIENCE.—Physiology.  
PHYSICS.—(Physics C).  
PHILOSOPHY.—(Philosophy A and B).  
MATHEMATICS.—(Mathematics G).  
FRENCH OR GERMAN.  
EVIDENCES OF RELIGION.

### SENIOR CLASS.

- LATIN.—Prose Composition (Latin S).  
Reading. First Term (Latin O).  
Second Term (Latin Q).  
GREEK.—Prose Composition (Greek P).  
Reading. First Term (Greek N).  
Second Term (Greek O).  
ENGLISH.—Literature (English E and G).  
Political Economy (English O).  
Philosophy of Literature (English N).  
Philosophy of History (History I).  
PHILOSOPHY.—First Term (Philosophy C, D, F).  
Second Term (Philosophy E, G, H).  
NATURAL SCIENCE.—First Term (Geology A).  
Second Term (Astronomy A).  
FRENCH OR GERMAN.  
EVIDENCES OF RELIGION.  
THESIS.

## PEDAGOGY.

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The course in Pedagogy embraces Logic, Psychology, History of Education, Principles of Education, Theory and Practice of Teaching.

The regular college work in Logic and Psychology satisfies the requirements of this course ; the examinations in both these subjects are submitted for approval to the Superintendent of Public Instruction.

The examination in the History of Education and the Principles of Teaching is held under the immediate direction of the State Superintendent.

Upon completing a satisfactory examination in the last two subjects the candidate receives a license to teach for three years, and if successful experience can be demonstrated at the end of that period, the provisional license may be exchanged for a life certificate to teach.

The candidate must have received the percentage required for a first-grade certificate in the uniform examinations prior to his entrance upon the course in Pedagogy.

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The requirements for the first-grade uniform examinations under the control of the State Department of New York, are STATE CERTIFICATE. as follows: Arithmetic, Algebra, American History, Bookkeeping, Civil Government, English Composition, Ancient History, Drawing, Physics, Geography, Grammar, Methods and School Economy, Physiology and Hygiene, School Law.

For detail of matter required see Syllabus published by the Department of Public Instruction of the State of New York.

COURSES. The courses offered to the students in Pedagogy are :

**JUNIOR YEAR.**—Logic.

History of Educational Theories and Institutions.  
Principles of Education.

**SENIOR YEAR.**—Psychology.

Ethics.  
School Management.  
Theory and Practice of Teaching.  
Methods of Teaching Various Subjects.

## EXTRACT FROM COLLEGE BY-LAWS.

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Every candidate for admission must present a certificate of good moral character ; and, if he come from another institution, a letter of honorable dismissal.

**CERTIFICATE.**

At the beginning of the first year, each student elects the course which he desires to follow, and no student may afterwards change his course without the permission of the faculty.

**ELECTION.**

Punctuality at all the exercises is strictly required. Non-attendance at the opening of a course will be counted half an absence, and no student who has exceeded the prescribed limit of absences for a given subject will be entitled to take examination in that subject.

**ATTENDANCE.**

Examinations are held semi-annually in January and June, in all the subjects studied during the intervening period. Special examinations in any subject may be held at the option of the Professor in charge of that subject.

**EXAMINATIONS.**

Absence from an examination, unless excused by the Faculty, will be considered a failure.

Should a student fail in one of the prescribed examinations, he may be permitted to take another examination at the opening of the following term, or at such time as may be agreed upon with his Professor ; but all such examinations must be supplied before the opening of the following school term.

The names of students who fail to comply with this regulation will be dropped from the class-roll.

The final standing of each student is determined by his examination results together with the average of his year's class-marks in each subject.

**FINAL  
STANDING.**

Every candidate for a degree is required to present a written thesis on a subject connected with his course. The  
**THESIS.** subject selected must be submitted for approval to the Professor of the department to which it belongs, on or before February 1st. Such help and guidance may be offered the candidate as the Professor shall judge right, and the completed thesis shall be handed in for approval on or before May 30th.

No thesis shall contain less than two thousand words, unless the reasons adduced are satisfactory. Theses must be typewritten. All approved theses become the property of the College and are placed in charge of the Librarian.

If a student fail to present his thesis, or if the thesis be rejected, he shall not be recommended for his degree.

No degree or other testimonial will be conferred on any student unless the prescribed course of study shall have been  
**DEGREES.** completed, and satisfactory evidence of proficiency in the various subjects shall have been given.

The degree of Bachelor of Arts will be conferred on students who successfully complete the Classical course.

The degree of Bachelor of Science will be conferred on students who successfully complete the English-Science course, the course in Civil Engineering, Electrical Engineering or Architecture.

At the discretion of the Faculty, a certificate of proficiency may be given to a student who has followed, under the di-  
**CERTIFICATES.** rection of the Faculty, a special course of one or more subjects, and who gives evidence of satisfactory proficiency.

A Certificate is granted to students who satisfactorily complete the Commercial Course as a guarantee of their fitness for mercantile employment.

## SCIENCE DEPARTMENT.

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The courses of Engineering offered by the Science Department of  
**COURSES.** Manhattan College have for object to render young men

familiar with the theoretical and practical work required of students who intend to follow some one of the various departments of Engineering. The work is planned to give the student a liberal education, while enabling him, after graduating, to derive immediate profit from the practical experience of his professional career.

The following courses are offered :

- I. CIVIL ENGINEERING.
- II. ELECTRICAL ENGINEERING.
- III. ARCHITECTURE.
- IV. THE ENGLISH-SCIENCE.

These courses cover a period of four years each, and demand a thorough preparation on the part of the student, as tested by the entrance requirements given hereafter.

The course of Civil Engineering comprises Surveying, Road and  
**CIVIL** Railroad Engineering, Bridge Engineering, Hydraul-  
**ENGINEERING.** ics and Water Works, Study of Motors—air, steam  
and electrical.

In the different courses the work is essentially theoretical and practical. The lectures of the class-room are supplemented by practical work in the field and by visits to places of interest in the vicinity.

In the Electrical Engineering course, a large amount of laboratory  
**ELECTRICAL** work is required and is counted as an integral part of  
**ENGINEERING.** the course. Great stress is placed on the mathematics prescribed, so as to enable the young men to grapple successfully with the practical problems that occur in the applications of electricity. Drawing is also extended through the various years of the course, and designs of several types of machines are executed in full detail.

The first years of the Course in Architecture are closely allied to  
**ARCHITECTURE.** those of Civil Engineering. In the second year, however, some of the branches are dropped and are supplied by others more closely connected with architecture. In the last years the work is of a more professional character. The subject of design

and construction is studied in detail, and working drawings and estimates are made for original structures. The Heating and the Ventilation of buildings receive special attention, while the many structures continually in course of erection afford ample facilities for inspection and comparison.

In the English-Science course, Latin and Greek are replaced by advanced French and German. The entrance requirements presuppose a three years' Academic course in these languages. Approved versions of the best ancient classics are read, commented upon and compared with corresponding masterpieces of English literature. A large amount of Mathematics and Science is required of students in this course.

The studies of the four years lead respectively to the degrees of  
Bachelor of Science in Civil Engineering,  
Bachelor of Science in Electrical Engineering,  
Bachelor of Science in Architecture,  
Bachelor of Science.

## ADMISSION REQUIREMENTS.

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### ADMISSION

The subjects for admission to the courses in Civil Engineering, Electrical Engineering and Architecture are as follows :

ENGLISH.—Ability to write with ease and correctness a short composition on a given subject, is required of all applicants.

Candidates must also show a general acquaintance with the works set forth in the requirements for English in the Arts course. (See page 13.)

HISTORY.—The following courses of history may be presented : History of the United States and (*a*) History of England, or (*b*) History of France, or (*c*) History of Greece and Rome.

The following works will serve to show the knowledge expected in History : Montgomery's *History of the United States* ; Kearney's *Compendium of History* ; Allen's *History of the Roman People* ; Oman's *History of Greece*.

MATHEMATICS.—*Algebra*.—This includes Factors, Fractions, Ratio and Proportion, Progressions, Evolution, Radicals, Equations of the first and second degrees. The matter is equivalent to that covered by Wentworth's *School Algebra*.

*Geometry*.—Plane and Solid Geometry, with easy exercises and practical applications. Wentworth's *Plane and Solid Geometry*.

*Trigonometry*.—Plane. Use of tables. Solutions of right-angled and oblique-angled triangles. Applications to practical problems.

PHYSICS.—A course of general Physics, with laboratory practice. The amount required is about that contained in Avery's *Elements of Natural Philosophy*, or Gage's *Elements of Physics*, omitting the more advanced parts in each section.

CHEMISTRY.—A course of general Inorganic Chemistry, such as Avery's *Elements of Chemistry*, or some equivalent text-book.

FRENCH OR GERMAN.—Ability to read and translate passages from French or German into English, together with an elementary knowledge of French or German Grammar.

For the ENGLISH-SCIENCE COURSE, the requirements correspond to those given for the Arts Department. Instead of Latin and Greek, however, three years' work in French and German is required.

A certificate of the Regents of the University of the State of New York will be received in lieu of the entrance examination, provided it has been issued within the year, or that the candidate has a certificate of continued study since its date of issue. The candidate will, however, be examined on such branches as are not included in the Regents' certificate.

REGENTS'  
CERTIFICATE.

AFFILIATED  
INSTITUTIONS.

Students from affiliated institutions, on presentation of certificates testifying to their having satisfactorily completed the courses of studies in those institutions, will be admitted without further examination.

Candidates desiring it may divide their examinations into two parts, one to be presented in June and the other in September of the *same* year.

TWO

EXAMINATIONS.

Candidates for advanced standing must pass the examination as stated for entrance, together with the subjects studied by the class up to the period at which they enter, or present satisfactory evidence of their being able to follow the class with advantage.

ADVANCED  
STANDING.

Students failing in one or more of the entrance subjects may be permitted to join the classes conditionally, but will be expected to satisfy the requirements as soon as possible. All conditions in Mathematics must be satisfied at the end of the first term, and no student will be advanced with his class who has any condition to be complied with at the opening of the following year.

CONDITIONAL  
ADMISSION.

Candidates presenting French at entrance are required to continue it for one year, after which they take German, or *vice versa*. A fair working knowledge of these languages, rather than an acquaintance with their technicalities, is all that is sought.

FRENCH OR  
GERMAN.

## COURSE IN CIVIL ENGINEERING.

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### FIRST YEAR.

ALGEBRA.—First Term. (Mathematics B).

TRIGONOMETRY.—Second Term, First Part. (Mathematics D).

PLANE ANALYTICAL GEOMETRY.—Second Term. (Mathematics E).

DESCRIPTIVE GEOMETRY.—Second Term. (Drawing D).

ENGLISH.—(English A and K).

HISTORY.—(History A and B).

PHYSICS.—(Physics B).

SURVEYING.—(Engineering A).

MECHANICAL DRAWING.—(Drawing A and B).

ADVANCED FRENCH OR GERMAN.

RELIGIOUS INSTRUCTION.

SUMMER WORK.—Drawing ; Field Work.

### SECOND YEAR.

SOLID ANALYTICAL GEOMETRY.—(Mathematics F).

CALCULUS.—(Mathematics G).

GEODESY.—First Term. (Engineering C).

QUALITATIVE ANALYSIS.—First Term. (Chemistry B).

ENGLISH.—(English B, D and J).

ANALYTICAL MECHANICS.—Second Term. (Mechanics D).

ROAD ENGINEERING.—Second Term. (Engineering B).

FOUNDATIONS AND TIMBER STRUCTURES.—(Engineering D and E).

STEREOTOMY.—(Drawing C).

FRENCH OR GERMAN.

BUILDING MATERIALS.—Second Term. (Geology C).

RELIGIOUS INSTRUCTIONS.

SUMMER WORK.—Memoir ; Field Work.

## COURSE IN CIVIL ENGINEERING.

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### THIRD YEAR.

MECHANICS OF MATERIALS.—Second Term. (Mechanics C).  
THEORY OF RAILROAD ENGINEERING.—First Term. (Engineering F).  
MASONRY STRUCTURES.—(Engineering G and Geology C).  
TUNNELING AND EXCAVATIONS.—Second Term. (Engineering H).  
SEWERS.—Second Term. (Engineering I).  
PHYSICS.—ELECTRICITY.—First Term. (Physics C).  
GRAPHICAL STATICS.—Second Term. (Drawing F).  
GEOLOGY.—First Term. (Geology B).  
THERMODYNAMICS.—Second Term. (Mechanics B).  
DESIGN PROBLEMS.  
THEORY OF THE TRUSS.—Second Term. (Engineering J).  
PHILOSOPHY.—(Philosophy A and B).  
EVIDENCES OF RELIGION.  
SUMMER WORK.—Memoir ; Field Work.

### FOURTH YEAR.

GEODESY.—Second Term. (Astronomy A and B).  
BRIDGES AND BUILDINGS.—(Engineering K).  
RAILROAD ECONOMICS.—Second Term. (Engineering L).  
HYDRAULICS.—Second Term. (Engineering O).  
IRRIGATION AND WATER SUPPLY.—First Term (Engineering M).  
MOTORS.—(Electricity F).  
RAILROAD ENGINEERING.—Second Term. (Engineering L).  
METALLURGY.—First Term. (Chemistry E and F).  
INDUSTRIAL APPLICATIONS OF ELECTRICITY.—First Term. (Electricity J).  
CONTRACTS AND SPECIFICATIONS.—Second Term. (Engineering N).  
PHILOSOPHY.  
DESIGN PROBLEMS.  
THESIS.  
EVIDENCES OF RELIGION.

## COURSE IN ELECTRICAL ENGINEERING.

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### FIRST YEAR.

ALGEBRA.—First Term. (Mathematics B).

TRIGONOMETRY.—First Term. (Mathematics D).

PLANE ANALYTICAL GEOMETRY.—Second Term. (Mathematics E).

DESCRIPTIVE GEOMETRY.—Second Term. (Drawing D).

ENGLISH LITERATURE.—(English A and K).

PHYSICS.—Heat and Light. (Physics B).

MECHANICAL DRAWING.—(Drawing A and B.)

ADVANCED FRENCH OR GERMAN.

ELEMENTARY CHEMISTRY.—(Chemistry C).

RELIGIOUS INSTRUCTION.

### SECOND YEAR.

SOLID ANALYTICAL GEOMETRY AND CALCULUS.—(Mathematics E and F).

QUALITATIVE ANALYSIS.—First Term. (Chemistry B).

MECHANICS OF SOLIDS AND LIQUIDS.—Second Term. (Mechanics D.)

ELECTRICITY AND MAGNETISM.—(Electricity A).

APPLICATIONS OF ELECTRICITY.—(Electricity C).

ELECTRICAL STUDIES IN PROBLEMS.—(Electricity B).

LABORATORY WORK.

ENGLISH.—(English B, D and J).

FRENCH OR GERMAN.

RELIGIOUS INSTRUCTION.

# COURSE IN ELECTRICAL ENGINEERING.

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## THIRD YEAR.

RESISTANCE OF MATERIALS. (Mechanics C).

APPLIED MECHANICS.

THERMODYNAMICS OF STEAM ENGINE. (Physics D).

GRAPHICAL STATICS. (Drawing F).

ELECTRICAL ENGINEERING. (Electricity D).

ELECTRO-CHEMISTRY. (Electricity H).

ELECTRICAL-MEASUREMENTS. (Electricity E).

THEORY OF DYNAMOS AND MOTORS. (Electricity F).

LABORATORY WORK.

PHILOSOPHY. (Philosophy A and B).

MECHANICAL DRAWING. Design Problems.

DESIGN PROBLEMS. (Electricity G).

EVIDENCES OF RELIGION.

## FOURTH YEAR.

MACHINERY AND MECHANISM.

HYDRAULICS. (Engineering O).

MOTORS.

ELECTRIC LIGHTING. (Electricity I).

ELECTRICAL ENGINEERING. (Electricity J).

ELECTRIC RAILROADS. (Electricity K).

THEORY OF ALTERNATING CURRENTS.

LABORATORY WORK Design Problems.

PHILOSOPHY.

CONTRACTS AND SPECIFICATIONS. (Engineering N).

THESIS.

EVIDENCES OF RELIGION.

## COURSE IN ARCHITECTURE.

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### FIRST YEAR.

ALGEBRA.—First Term. (Mathematics B).  
TRIGONOMETRY.—First Term. (Mathematics D).  
ANALYTICAL GEOMETRY.—Second Term. (Mathematics E).  
ENGLISH LITERATURE. (English A and K).  
ELEMENTARY CHEMISTRY. (Chemistry C).  
DESCRIPTIVE GEOMETRY. (Drawing D).  
ELEMENTS OF ARCHITECTURE. (Architecture N and J).  
HISTORY OF ANCIENT ARCHITECTURE AND ORNAMENT. (Architecture B and E).  
SURVEYING. (Engineering A).  
ELEMENTARY DESIGN.  
DRAWING—Freehand and Architectural.  
FRENCH OR GERMAN.  
RELIGIOUS INSTRUCTION.

### SECOND YEAR.

SOLID ANALYTICAL GEOMETRY. (Mathematics E). Calculus (Optional).  
PHYSICS. (Physics B).  
ANALYTICAL MECHANICS. (Mechanics D).  
ENGLISH LITERATURE. (English B, D and J).  
ELEMENTS OF BUILDING CONSTRUCTION. (Architecture H).  
FOUNDATIONS. (Engineering D).  
HISTORY OF MEDIEVAL ARCHITECTURE AND ORNAMENT. (Architecture C and F).  
BUILDING MATERIALS. (Geology C).  
QUALITATIVE ANALYSIS. (Chemistry B).  
DESIGN PROBLEMS. (Architecture L).  
DRAWING: Freehand.  
PERSPECTIVE—Lectures.  
RELIGIOUS INSTRUCTION.

## COURSE IN ARCHITECTURE.

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### THIRD YEAR.

ARCHITECTURAL ENGINEERING. (Architecture K).  
STRENGTH AND RESISTANCE OF MATERIALS. (Mechanics C).  
DESIGN PROBLEMS IN PLANNING AND CONSTRUCTION.  
HISTORY OF MODERN ARCHITECTURE AND MODERN ORNAMENT.  
(Architecture D and G).  
FREEHAND DRAWING. Sketching.  
HEATING AND VENTILATION. (Architecture M).  
ELECTRICITY AND MAGNETISM. (Physics C).  
GRAPHICAL STATICS. (Drawing F).  
GEOLOGY. (Geology B).  
PHILOSOPHY. (Philosophy A and B).  
EVIDENCES OF RELIGION.

### FOURTH YEAR.

ADVANCED ARCHITECTURAL HISTORY.  
DESIGN AND DECORATION.  
CONTRACTS AND SPECIFICATIONS. (Engineering N).  
METALLURGY. (Chemistry E and F).  
INDUSTRIAL APPLICATION OF ELECTRICITY. (Electricity J).  
MASONRY STRUCTURE. (Engineering A).  
DESIGN PROBLEMS.  
PHILOSOPHY. (Philosophy A and B)  
HISTORY OF ORNAMENT.  
EVIDENCES OF RELIGION.  
THESIS.

## ENGLISH-SCIENCE COURSE.

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### FIRST YEAR.

ENGLISH CLASSICS. (English A and K).

Readings. (English P).

FRENCH. (French D).

GERMAN. (German D).

ANCIENT HISTORY. (History A, B and J).

PHYSICS. (Physics B.)

ELEMENTARY CHEMISTRY. (Chemistry A).

MATHEMATICS. First Term (Mathematics A).

Second Term (Mathematics B).

RELIGIOUS INSTRUCTION.

### SECOND YEAR.

ENGLISH ; Classics. (English B, D and J).

Readings. (English Q).

FRENCH. (French E).

GERMAN. (German E).

MODERN HISTORY. (History D and K).

NATURAL HISTORY.—Botany.

CHEMISTRY. (Chemistry B).

MATHEMATICS. First Term (Mathematics D).

Second Term (Mathematics E).

MECHANICS OF FLUIDS AND SOLIDS. (Mechanics D).

RELIGIOUS INSTRUCTION.

## ENGLISH-SCIENCE COURSE.

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### THIRD YEAR.

ENGLISH ; Classics.—First Term (English C).

Second Term (English E).

Readings. (English R).

HISTORY.—(History L).

FRENCH.—(French F).

GERMAN.—(German F).

PHILOSOPHY.—(Philosophy A and B).

NATURAL SCIENCE.—(Physiology).

PHYSICS.—(Physics C).

MATHEMATICS.—First Term (Mathematics F).

Second Term (Mathematics G).

QUANTITATIVE ANALYSIS.—(Chemistry D).

EVIDENCES OF RELIGION.

### FOURTH YEAR.

ENGLISH ; Classics.—First Term (English S).

Second Term (English E and G)..

FRENCH.—(French G).

GERMAN.—(German G).

CIVICS.—(History M).

METALLURGY.—(Chemistry E and F).

PHILOSOPHY.

POLITICAL ECONOMY.—(English O).

NATURAL SCIENCE.—First Term (Geology A).

Second Term (Astronomy A)..

PHYSICS.—(Physics J).

EVIDENCES OF RELIGION.

THESIS.

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SCIENCE DEPARTMENT.

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## BY-LAWS.

For details regarding examinations, punctuality, etc., see Extract of College By-Laws, p. 19.

The following notes refer more especially to students in the Science Department.

All drawings forming part of the matter for examination must be handed in at the appointed time, under a liability of a deduction of marks.

EXAMINATION.

Absence, without the permission of the Faculty, from an examination will be counted a failure to pass the said examination.

Sixty per cent. of the total marks in each subject constitute a pass, and no student will be entitled to a degree unless he has passed satisfactory examinations in the branches of his course.

Towards the end of each session, subjects for essays and Summer work are assigned to the students. The time for the completion and handing in of these subjects is the first Monday of November for fourth year students, and the first Monday in October for second and third year students.

VACATION WORK.

This work is obligatory on all students, and failure to present it at the specified time renders a student liable to suspension.

Every student is required to attend the classes in field work and the visits made during the session to works and places of interest. The field work affords the students ample facilities to become familiar with the uses and handling of the different instruments explained in the lecture-room. The operations cover all the ordinary cases of field work, each student in turn assumes control of the work under the direction of the Professor. The work done is carefully plotted and estimates are written out as in actual office work. A line of railroad is run by the students of the Senior year, and all calculations and drawings are carefully worked out.

FIELD WORK.

The College possesses an equipment of engineers' transits, levels, compasses and all necessary accessories for a full course.

The large number of engineering works continually carried on in New York and vicinity affords the students every opportunity of seeing the application of the subjects discussed in the class-room, and of becoming acquainted with the methods employed. These works are visited by the classes at intervals, and the students are required to make a report of their observations.

**EXCURSIONS.**

In connection with the course of Geology, visits are made to the points of interest in the neighborhood, as also to quarries and mines that lie in the vicinity, and to the extensive collection in the American Museum of Natural History.

A thesis on some topic connected with his special course is required of every student as a necessary part of his final degree examination. All theses must be accompanied by the drawings necessary for illustration. These become the property of the College, and are placed in the library of the Institution. For further details see p. 36.

**THESIS.**

## HIGHER DEGREES.

Bachelors in either Department may obtain the Master's degree by pursuing an approved course of study and giving satisfactory evidence of proficiency and scholarship. If such post-graduate study is not pursued in the College, the degree will not be conferred until two years after graduation.

Professional study, as such, does not entitle one to the Master's degree, but original research or special and scholarly study, connected with a profession, may, at the discretion of the Faculty, be accepted.

Essays, theses and dissertations, intended for the Master's degree, must be presented at least one month before the end of the academic year.

If a candidate's thesis is approved, he will be informed as to the time when he will be required to meet the Board of Examiners for any further test of his qualifications which they may deem necessary.

The degree of Civil Engineer will be conferred at the end of one year after graduation as Bachelor of Science in Engineering, on conditions similiar to those required for the Master's degree, as stated above.

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## COURSES OF STUDY.

### FOR THE MASTER'S DEGREE.

#### *For Master of Arts.*

Any one of the following courses :

- I. Moral Philosophy, with written theses, making special application of its principles.
- II. Cicero's Tusculan Disputations, De Naturâ Deorum, and De Officiis, with the History of Ancient Philosophy.
- III. Latin Literature, with translation at sight from any classic author, together with a Latin essay on his work or his age.
- IV. Plato and Aristotle, with the history of the influence of Greek Philosophy on modern thought.
- V. The whole of Thucydides, together with the corresponding portion of the histories of Grote and Curtius; Greek composition.
- VI. Greek Literature, with translations at sight from any classic author, together with a Greek essay on his work or his age.
- VII. Church History. Selections of pregnant periods for research, with essays embodying results of investigation.

- VIII. English Literature. Critical analysis of any classic author from the Catholic standpoint.
- IX. French Literature, with translations at sight from any classic author, and a French essay on his work or his age.
- X. German Literature, with translation at sight from any classic author, and a German essay on his work or his age.

*For Master of Science.*

- I. Higher Coördinate Geometry of Two Dimensions ; Coördinate Geometry of Three Dimensions.
- II. General Theory of Equations.
- III. Higher parts of the Integral Calculus ; Differential Equations ; Calculus of Variations ; Calculus of Quaternions.
- IV. Rigid Dynamics.
- V. Fourier's Theorem and its Applications.
- VI. The Wave Theory treated mathematically or experimentally, or both.
- VII. Electric Radiation and the Electro-Magnetic Theory of Light.
- VIII. Phenomena of Interference, Diffraction and Polarization.
- IX. Spectrum Analysis.
- X. The Kinetic Theory of Gases.
- XI. Conservation and Dissipation of Energy.
- XII. Application of the Doctrine of Energy to the Phenomena of Chemical Combination.
- XIII. Fundamental and Derived Units and their Dimensions.
- XIV. Higher parts of Static and Dynamic Electricity.
- XV. Phenomena of Alternating Currents.
- XVI. Astronomical Physics.
- XVII. Special studies in Civil Engineering.
- XVIII. Special studies in Electrical Engineering.
- XIX. Special studies in Architecture.

The above division is merely suggestive, being intended to direct the candidate in the choice of a subject for his Master's thesis. It is expected that the treatment of the subject shall be comprehensive and thorough, and shall embody the result of original thought or of experimental investigation, as the case may require.

Published works of the candidate on the subject selected, articles in reviews or scientific periodicals, or contributions to the transactions of learned societies will receive due consideration from the Board of Examiners.



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COURSES OF STUDY

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## COURSES OF STUDY

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### ARCHITECTURE.

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A—DESIGN.—Problems applying the Elementary Principles of Design and the Rendering of Architectural Drawing.

B—HISTORY OF ANCIENT ARCHITECTURE.—Egyptian, Chaldean, Assyrian, Persian, Jewish, Pelasgic, Greek, Roman and Pompeian Architecture.

C—HISTORY OF MEDIEVAL ARCHITECTURE.—The rise of Christian Art, Byzantine, Moorish and the various periods of the Romanesque in Italy, France, England, Germany. Gothic Art in its different periods in these countries.

D—HISTORY OF MODERN ARCHITECTURE.—The dawn of Renaissance in Italy and the Florentine School. Early Renaissance in France, England, Germany. Classical Renaissance. Baroque and Rococo. Greek Revival in England and Colonial Style in America. Classical Revival in Europe. Eclectic style.

E—HISTORY OF ANCIENT ORNAMENT.—Study of Examples of Assyrian, Egypt, Greek and Roman Art.

F—HISTORY OF MEDIEVAL ORNAMENT.—Alternating every other year with course "G."

G—HISTORY OF MODERN ORNAMENT.—Alternating every other year with course "F."

H—ELEMENTARY BUILDING CONSTRUCTION.—The Building and Finishing of Structures in Wood, Brick and Stone. Draughting of Plans and Designs.

J—ORDERS OF ARCHITECTURE.—Analysis of the Five Orders of Classic Architecture. Exercises in Drawing and Rendering.

K—ARCHITECTURAL ENGINEERING.—Principles of Mechanics, as applied in the use of Building Materials, Building Notes, Lectures on Modern Practice in the Erection of Large Buildings.

L—DESIGN PROBLEMS.—Developing the Principles in Planning and Construction. Specifications and Working Drawings.

M—SANITARY SCIENCE.—Lectures on Heating and Ventilation. Principles of Hygiene as applied in the Construction of Buildings. Plumbing and Drainage.

N—BUILDING MATERIALS.—Natural Stones, quarrying. Artificial Stones—Bricks, Terra-cotta and Fire bricks. Brick-making and Brick-kilns. Lime and Cement, Mortar, Concrete, Asphalt, Timber, Cast-iron, Wrought-iron, Steel and other Metal Paints.

O—EMPLOYMENT OF BUILDING MATERIALS.—Stone-cutting and Dressing, Masonry Walls, Brick Walls, Compound Walls, Concrete Walls. Joints, Scarfings, Roof-trusses, Floors, Partitions, Windows, Doors and Landings. Rivets, Pins, Girders, Columns.

P—ESSAYS ON ARCHITECTURAL TOPICS.

Second and Third Year students.

Q—ARCHITECTURAL DESIGN.—Advanced Problems in Planning and Composition.

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## ASTRONOMY.

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A—DESCRIPTIVE ASTRONOMY.—Phenomena depending on the Axial and Orbital Motion of the Earth. Kepler's Laws. Phenomena Depending on Change of Place. Dimensions and Coördination of the Solar System. Tides, Eclipses, Transits.

B—PRACTICAL ASTRONOMY.—Construction, Adjustment and Use of the Telescope, Transit and Sextant. Determination of Place and Time.

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## CHEMISTRY.

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A—GENERAL INORGANIC CHEMISTRY.—Laws of Chemical Action. Study of the Sources, Properties, Preparation and Uses of the Elements, and their Principal Compounds.

B—QUALITATIVE ANALYSIS.—Lectures, Recitations and Laboratory Practice.

C—INORGANIC AND ORGANIC CHEMISTRY.—The Study of the Non-Metallic and Metallic Substances ; also, some of the Principal Compounds of the Paraffin and Aromatic Series.

D—QUANTITATIVE ANALYSIS.—Short course open to students preparing for Medicine.

E—ASSAYING.—Study of Ores and other Metallic Products. Qualitative Tests, Blowpipe Analysis.

F—ASSAYING.—Quantitative Assaying. Special and Short Methods of Assaying Ores and Metals.

G—Course in Photography and Radiography.

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## DRAWING.

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A—ELEMENTARY MECHANICAL DRAWING.—Use of Instruments, Geometrical Problems, Lettering, Plans, Elevations.

B—MECHANICAL DRAWING.—Elementary Projections, Intersections, Shades and Shadows. Tinting Drawings, Pen and Ink Sketching, Tracing, Blue Prints.

C—MECHANICAL DRAWING.—Stone Cutting and its Applications to Culverts, Sewers, etc. Perspective.

D—DESCRIPTIVE GEOMETRY.—Demonstrations and Execution of Eight Plates. Text-book, *Descriptive Geometry* (Faunce).

E—DRAWING.—Plots of Survey, Topographical Maps, Contour Maps, Profiles.

F—GRAPHICAL STATICS.—Equilibrium Polygons for different loads in Beams and Trusses. Diagram of Shears and Moments in Beams. Applications to Roofs and Trusses.

H—SKETCHING.—Drawing in Pencil from Nature and from the Object, Pen and Ink Rendering of Architectural Drawings.

J—SKETCH DESIGN.—Problems to be rendered in Sketch form in limited time ; Pen and Ink renderings of Subjects.

## ELECTRICITY.

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A—LAWS AND PHENOMENA OF ELECTROSTATICS.—Influence Machines. Theory and Use of Condensers. The Magnetic Circuit. Theory and Use of the Magnetometer. Determination of the Magnetic Elements. Current Electricity. Primary Batteries. Ohm's Law and its Applications. The Magnetic, Chemical and Thermal Effects of the Current. Mutual Action of Conductors Conveying Currents. The Electromagnet. Inductance. The Induction Coil. Thermo-Electric Generators.

B—PROBLEMS RELATING TO THE ENERGY OF CHARGED BODIES,—Mutual Action and the Magnetic Movements of Magnets. The Resistance of Conductors and Grouping of Cells. Division of the Current in a network of Conductors.

C—TELEGRAPHY AND TELEPHONY.

D—ELECTRIC AND MAGNETIC POTENTIAL.—Theory of the Tangent and Ballistic Galvanometers; the Electrodynamometer, Electrometer, Ammeters, Voltmeters, Wattmeters, Methods of mapping out the Magnetic Field.

E—MEASUREMENTS of Resistance, Current, Electromotive Force, Capacity, Inductance, Power, Energy. General Electric Testing.

F—THEORY of the Dynamo, Motor and Transformer. Phenomena of Alternating Currents. Alternating-Current Machines.

G—CONSTRUCTION, DESIGN, AND OPERATION OF DYNAMOS, Transformers, Motors, Alternators.

H—ELECTRO-CHEMISTRY. Secondary Batteries.

J—ELECTRIC LIGHTING.—Photometry of Electric Lamps. Electric Welding. Electric Furnace. Electro-Metallurgy.

K—PROBLEMS INVOLVED in the Distribution of Electric Light and in the Transmission of Power.

L—ELECTRIC TRANSMISSION OF POWER; Applications of Power Electrically Transmitted.

## ENGINEERING.

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A—LAND SURVEYING.—General Principles. Chain Surveying. Compass and Transit Surveying. Use and Adjustments of Instruments. Laying out and Dividing Land. Direct Leveling, Stadia Theory.

Text-book, Gillespie's *Surveying*.

B—ROAD ENGINEERING.—Location and Grading of Country Roads. Staking Out of Work. Draining and Protection Works. Maintenance. Foundations. City Streets. Pavements: Stone. Wood, Asphalt, Brick. Tools and Machinery Employed in Road Construction. Specifications and Contracts regarding Roads.

Text-book, Byrne's *Highway Construction*.

C—SURVEYING.—Town Work, Topographical Surveys. Hydrographical Surveys. Theory of Mining.

D—FOUNDATIONS.—Construction of Timber Foundation. Cofferdams of Timber. Open and Pneumatic Caissons. Trestle Foundations. Piles in Foundations, safe loads on. Economical Considerations in Foundations. Estimates of Cost. Bridge Piers. Methods for Deep Foundations.

Text-book, *Foundations*, Patton.

E—TIMBER STRUCTURES.—Culverts. Pile Bents. Frame Bent. Bracing Compound Timber Structures. Trestles on Curves. Floor Details. Connection with Embankment, Derailing Devices, Field Engineering and Erection of Trestle, Design and Estimates for a Completed Trestle.

Text-Book, Foster, *Treatise on Modern Trestle Bridges*.

F—RAILROAD SURVEYING.—Reconnaissance and Preliminary Surveys. Organization of Work. Simple and Compound Curves. Turnouts. Cross-section Work. Computation of Earthwork.

Text-book, Searle's *Field Engineering*.

G—MASONRY.—Study of Cements, Concrete and Masonry, Theoretical Study of Retaining Walls, Principle and Design of Earth and Masonry Dams of Different Classes, Bridge Abutments, Culverts, Theory of Masonry Arch, Methods of Failure, Tunnels.

Text-book, *Masonry Construction*, Baker.

H—TUNNELING.—Tunnels and Open Cuts, Materials for Lining,

Pressure, Process of Tunneling, Locating of Centre Lines, Drainage and Ventilation, Estimates on Quantities and Cost, Rapid Transit.

I—SEWERS.—Dimensions and Materials Used, Location, Precautions in Construction, Study of Examples, Estimate of Cost, Surface Drainage in Towns and Cities, Separate and Combined Systems, Capacities of Main and Branches, Grade, Flow and Discharge of Sewers.

J—THEORY OF TRUSSES.—Truss Elements, Loads and Reactions for Trusses of Various Designs, Influence Lines, and Position of Loads for Maximum Bending Moment. Wheel-Loads and Conventional Systems of Analysis, Stress Strain Diagrams, Secondary Stresses in Trusses, Applications to Highway and Railroad Bridges.

Text-book, *Modern Framed Structures*, Johnson.

K—ROOFS, BRIDGES AND BUILDINGS.—Different Classes of Bridges, Riveted Truss or Lattice Bridges, Pin-connected Bridge, Design of Details for Roofs and Bridges, Floor Systems, Lateral and Transverse Bracing. The Plate Girder in Detail, Swing Bridge, different kinds, End-Lifting Apparatus, Machinery for Operating, Cantilever Structures, Single and Double Track Trestles or Viaducts in Steel or Timber, Elevated Railroads, Stand-pipes. Complete Designs, with estimate of cost for structure and erection.

Text-book, *Modern Framed Structures*. Johnson.

L—RAILROAD ENGINEERING ECONOMICS.—General theory of railroad projects. Probable volume of traffic and its probable growth. Effect of alignment on resources and operating expenses. Methods of railroad management.

M—IRRIGATION AND WATER SUPPLY.—Drainage areas, rainfall, evaporation. Discharge and volume of flow in streams. Reservoir construction. Dams for storage. Regulators. Distributing system. Velocity of flow and dimensions of canals. Distributing and lateral canals.

N—CONTRACTS AND SPECIFICATIONS.—Johnson.

O—HYDRAULICS.—Flow of water through orifices and over weirs, Gauging of weirs. Flow of water in canals. Formulæ for discharge of water from locks. Motion of water in pipes. System of pipes. Gauging water in rivers. Backflow. Resistance of water in a river, in a canal. Hydraulic motors. Ship railways.

Text-books, Merriman's *Hydraulics*.

P—INSPECTION VISITS.—Visits to engineering works and manufacturing establishments. For students in the third and fourth year of the four science courses.

Q—FIELD-WORK.—Surveying, First Year students. Compass and transit surveys. Adjustments of instruments. Farm survey. Angle reading, repetition. Azimuth traverse. Work to be plotted and all calculations completed.

R—FIELD-WORK.—Leveling. Contour Sketching. Topographical survey. Field-work to be plotted and completed as above.

S—RAILROAD SURVEY.—Reconnaissance and Preliminary Survey, Location of Line. Profile and Cross-section. Computation of Earth Work. About two miles of road are run, and the students make all calculations exacted in the regular routine of office work.

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## ENGLISH.

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A—English Composition.—Exercises in Constructing Outlines or Subjects. Short Themes : criticism of same in class.

B—Rhetoric.—Exercises in Historical Narrative. Criticism of Authors. Argumentative Compositions.

C—Oratorical Compositions.—Debates and Theses Requiring Original research. Essays on Historical and Social Subjects.

D—Science of Rhetoric.—Spencer's *Philosophy of Style*. Brother Azarias' *Books and Reading*.

E—Anglo-Saxon Literature.—Study of the Poets and Prose Writers of the Anglo-Saxon Period, based on Brother Azarias' *Old English Thought*.

F—Chaucer.—Literary study of the Language and Versification of the *Canterbury Tales*. Short study of Chaucer's contemporaries.

G—History of the English Language and Literature.—Review of the changes the language has undergone and the development of its literature.

H—Shakespeare.—Critical reading of *Hamlet*, *Macbeth* or *Julius Cæsar*, with a special study of the rise of the English drama.

Alternates with "K."

I—Drama.—Study of the Theory of the Drama and its Development Historically Considered. Dryden's *Laws of Dramatic Composition*.

In alternate years with "I."

J—Nineteenth Century Literature.—A short study of the leading American and English Authors of the Present Century.

K—Critical Study of Burke's *French Revolution*. Tennyson's *In Memoriam*. Newman's *Dream of Gerontius*.

In alternate years with "H."

L—The Essayists.—General Study of the English Essayists from Bacon to Macaulay. The American Essayists. Critical Study of Emerson's Leading Essays.

In alternate years with "I."

M—The Poets.—Critical Study of selected portions of the works of Pope, Browning, Longfellow and Whittier.

N—Philosophy of Literature.—A study of this subject based on Brother Azarias' *Philosophy of Literature* and *Phases of Thought and Criticism*.

O—Political Economy. Lectures.

P—(a) Collins, *Cæsar*; Conington, Virgil's *Æneid*; Peabody, Cicero's *De Senectute*, *De Amicitia*; Gladstone, Horace's *Odes*; Wilkins, *Roman Literature*.

(b) Collins, *Xenophon*; Conington, Homer's *Iliad* and *Odyssey*; Collins, *Lucian*.

(c) Readings from Chateaubriand's *Genius of Christianity*, Part II, Books II, III, IV, V.

Q—Classics—(a) Collins, *Pliny*; Collins, *Horace*; Collins, *Cicero*.

(b) Francklin, Sophocles' *Ædipus Tyrannus*; Browning, Æschylus' *Prometheus Bound*; Collins, Herodotus.

(c) Readings from Chateaubriand's *Genius of Christianity*, Part II, Books II, III, IV, V.

R—Classics—(a) Gladstone, Horace's *Ars Poetica*; Church and Brodribb, Tacitus' *Germania* and *Agricola*; Martin, Catullus' *Poems*.

(b) Way, Euripides' *Hecuba*; Brougham, Demosthenes' *De Corona*; Collins, *Greek Anthology*.

(c) Chateaubriand, *Genius of Christianity*, Selected Readings.

S—Classics—(a) Collins, *Plautus* and *Terence*; Collins, *Juvenal*.

(b) Jowett, Plato's *Apology* and *Crito*; Frere, Aristophanes' *Birds* and *Acharnians*.

## FRENCH.

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A—Elementary grammar and ability to write from memory one of the following selections :

Boucher de Perthes, *La petite mendiante*, *Le petit Pierre*—Leconte de Lisle, *Trois fils d'or*—Alfred de Musset, *Tristesse*, *Chanson de Barberine*—La reine Hortense, *Partant pour la Syrie*—Victor Hugo, *La tombe dit à la rose*, *Conseils à un enfant*—Coppée, *Etoiles filantes*, —Bourget, *Beau soir*—Arnault, *La Feuille desséchée*, *Le colimaçon*.

B—Advanced grammar and ability to translate such works as :

Sand, *La mare au diable*—Maistre, *Voyage autour de ma chambre*—Lamartine, *Graziella*—St. Pierre, *Paul et Virginie*—Beaumarchais, *Barbier de Seville*—Souvestre, *Un philosophe sous les toits*—Saintine, *Picciola*—Feuillet, *Le roman d'un jeune homme pauvre*—Hugo, *Notre Dame de Paris*—Dumas, *Trois mousquetaires*—Halévy, *L'Abbe Constantin*—Daudet, *La Belle-Nivernaise*, *La dernière classe*, *Le siège de Berlin et d'autres contes*, *Trente ans de Paris*; *Tartarin de Tarascon*.

Prose Composition and ability to write from memory one or more of the following selections :

La Fontaine, *La cigale et la fourmi*, *Le corbeau et le renard*—Alfred de Musset, *Adieu*, *Chanson de Fortunio*, *Les deux routes*—Châteaubriand, *l montagnard migré*—Béranger, *Adieux de Marie Stuart*, *Mon habit*—Gautier, *La source*.

C—Advanced grammar and ability to translate selections from :

Corneille, *Le Cid*, *Horace*, *Cinna*, *Polyeucte*—Molière, *Le bourgeois gentilhomme*, *L'avare*, *Le misanthrope*—Racine, *Athalie*, *Esther*, *Andromaque*—Fénelon, *Télémaque*—De Stael, *Corine*.

Prose Composition and ability to write from memory one or more of the following selections :

La Fontaine, *Le chêne et le roseau*—Béranger, *Le retour dans la patrie*, *Les souvenirs du peuple*—Delavigne, *La mort de Jeanne D'Arc*—Voltaire, *Massacre de la Sainte-Barthélemy*—Rouget de Lisle, *La Marseillaise*—Victor Hugo, *La pauvre fleur*—Lamartine, *Hymne de l'enfant à son reveil*—Dupont, *Les bœufs*—Coppée, *L'écho*.

D—Prose Composition ; Selected Modern Authors ; Fortier, *Histoire de la Littérature française*. Fénelon, *Télémaque*.

E—Prose Composition ; Lafontaine, *Fables* ; Bossuet, *Histoire Universelle*.

F—Racine, *Esther* and *Athalie* ; Corneille, *Le Cid* ; Molière, *Le Bourgeois Gentilhomme*.

G—Bossuet, *Oraisons Funebres*.

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## GEOLOGY.

A—Descriptive and Determinative Mineralogy, Physical, Historical and Stratigraphical Geology.

Short Course.—Lectures and Practical Work.

B—General Course in Geology.—Lectures and Laboratory Work.

A more advanced discussion of the subjects treated above.

Required of Students in Civil Engineering and Architecture.

C—Economic Geology.—Building Stones, Brick, Fire Clay, Ore Deposits, Geology of Soils, Coal—its distribution and occurrence.

For students in Civil Engineering and Architecture.

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## GERMAN.

A—Elementary grammar and ability to write from memory one or more of the following selections: Rückert, *Sinnsprüche*—Goethe, *Heidenröslein*—Uhland, *Der gute Kamerad*, *Der Wirthin Töchterlein*, *Das Schloss am Meere*—Heine, *Die Lorelei*, *Du bist wie eine Blume*—Von Fallersleben, *Vergissmeinnicht*—Volkslieder, *O Strassburg*.

B—Advanced grammar, and ability to translate such works as : Jacob and Wilhelm Grimm, *Kinder- und Hausmärchen*—Andersen, *Bilderbuch ohne Bilder*—Hauff, *Das kalte Herz*—Storm, *Immensee*, *Geschichten aus der Tonne*—Von Hillern, *Höher als die Kirche*—Meissner, *Aus meiner Welt*—Leander, *Träumereien*—Bernhardt, *Noveletten-Bibliothek*—Freytag, *Die Journalisten*—Jensen, *Braune Erica*—Auerbach, *Brigitta*—Fischer, *Die wandelnde Glocke*.

C—Advanced grammar, and ability to translate selections from : Lessing, *Nathan der Weise*, *Minna von Barnhelm*—Goethe, *Faust* (part 1), *Hermann und Dorothea*, *Wilhelm Meister*—Schiller, *Wallen-*

stein, *Die Jungfrau von Orleans*, *Wilhelm Tell*, *Maria Stuart*, *Geschichte des dreissigjährigen—Kriegs—Umland*, *Gedichte*.

Prose Composition and ability to write from memory one or more of the following selections:

Goethe, *Der Snger Gesang der Geister ber den Wassern*, *Der Fischer*, *Mignon*—Schiller, *Die Hoffnung*—Heine, *Belsazer*—Krner, *Gebet whrend der Schlacht*—Hauff, *Reiter's Morgengesang*—Umland, *Des Snger's Fluch*—Volkslied, *Der Schnitter Tod*.

D—Prose Composition ; Selected Modern Authors ; Kluge, *Geschichte der deutschen Nationalliteratur* ; Gore, *German Science Reader*.

E—Prose Composition ; Classical Drama ; Selected Plays with reference to History of German Literature.

F—Reading of extracts treating of subjects in Natural Science.

G—Reading of German Scientific Works.

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## GREEK.

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Courses A, B, C and D are required of Freshmen ; B and C being given in alternate years.

Courses E, F, G, H and I are required of Sophomores, E and G being given one year and F and H the next.

Courses J, K, L and M are intended for Juniors ; only the first two of these alternate. The remaining courses are for Seniors.

A—Lucian, Selections from the *Dialogues* : Jebb, *Greek Literature*. First Term.

B—Homer, *Odyssey*, Bks. XXI–XXIV. Second Term.

C—Homer, *Iliad*, Bks. IV–VI. Second Term.

D—Prose Composition. Both Terms.

E—Herodotus, *Second Persian War*. First Term.

F—Thucydides, *Rise of the Athenian Empire*. First Term.

G—Sophocles, *Antigone*, or *Ædipus Rex*. Second Term.

H—Euripides, *Medea*, or *Hecuba*. Second Term.

I—Prose Composition. Both Terms.

J—Demosthenes, *Olynthiacs*. First Term.

K—Demosthenes, *Philippics*. First Term.

L—Selections from Lyric Poets. Second Term.

M—Prose Composition. Both Terms.

N—Aristophanes, *Clouds* or *Knights*. First Term.

O—New Testament, Selections. Second Term.

P—Prose Composition. Both Terms.

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## HISTORY.

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A—Ancient History.—History of Greece, with special reference to its literature.

B—Ancient History.—Rome, from the time of the Foundation of the city to the Fall of the Western Roman Empire.

C—Mediæval History.—From the Fall of the Western to the Fall of Eastern Roman Empire. The Holy Roman Empire and the Papacy receive special attention.

D—The Renaissance and the Reformation. The principal subjects studied are the Revival of Letters, the Age of Discovery, the Reformation in England, France and Germany, the Thirty Years' War and the peace of Westphalia.

E—English History.—In this course constitutional and social history of England receive special attention.

Given in Alternate years with "F."

F—French History.—This course begins with the establishment of the French monarchy to its downfall at the time of the French Revolution.

G—The Era of the French Revolution.—This covers the history of Europe from the time of the meeting of the States-General in France, in 1789, to the Congress of Vienna, in 1815.

Given in Alternate years with "C."

H—The History of the Nineteenth Century, beginning with the year 1815.—This course treats principally of the restoration of the Bourbons; the Revolutions of 1830 and 1848; the Austro-Prussian War, the Franco-Prussian war, the Unification of Germany and of Italy.

I—The Philosophy of History, based principally on the works of Schlegel and Balmes.

J—Parsons, *Studies in Church History*, vol. I.

Alternates with "E"

K—Parsons, *Studies in Church History*, vol. II.

L—Parsons, *Studies in Church History*, vol. III.

Given in Alternate year with "D."

M—Civics.—Alden, *Science of Government*, or equivalent.

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## LATIN.

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Courses A, B, C, D and E are required of Freshmen, but A and B are given in alternate years. Courses F, G, H and I are required of Sophomores, F and G being given in alternate years. Courses J, K, L, M and N are required of Juniors ; but J and K alternate, as also L and M. The remaining courses are for Senior students, O and P alternating and likewise Q and R.

A—Cicero, *De Senectute* ; Virgil, *Georgics*. First Term.

B—Cicero, *De Amicitia* ; Virgil, selections from *Æneid*, Books VI–XII. First Term.

C—Wilkins, *Roman Literature Primer*. First Term.

D—Horace, Select *Satires*. Second Term.

E—Prose Composition. Both Terms.

F—Livy, Books I and II. First Term.

G—Livy, Books XXI and XXII. First Term.

H—Horace, Select *Odes* ; Prosody. Second Term.

I—Prose Composition. Both Terms.

J—Quintilian, *Institutes*, Book X. First Term.

K—Cicero, *De Oratore*, Book I. First Term.

L—Horace, *Ars Poetica* ; Tacitus, *Agricola*. Second Term.

M—Selections from Lyric Poets ; Tacitus, Selections from the *Histories*. Second Term.

N—Prose Composition. Both Terms.

O—Cicero, *De Finibus*. First Term.

P—Cicero, *Tusculan Disputations*, Book I. First Term.

R—Plautus, *Captivi*. Second Term.

S—Prose Composition. Both Terms.

## MATHEMATICS.

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A—SOLID GEOMETRY.—Books VI, VII, VIII, IX. Wentworth's *Plane and Solid Geometry*.

B—ALGEBRA.—Progressions, Binomial Theorem, Logarithms, Variables and Limits, Series, General Properties of Equations.

Text-book, Wentworth's *College Algebra*.

C—TRIGONOMETRY (Plane).—Application to Problems in Heights and Distances, Surveying, etc.

Text-book, Wentworth's *Trigonometry*.

D—TRIGONOMETRY (Spherical).—Application to Problems in Astronomy.

E—ANALYTICAL GEOMETRY (Plane).—Up to and including Higher Plane Curves.

Text-book, Wentworth's *Analytical Geometry*.

F—ANALYTICAL GEOMETRY (Solid).—The Straight Line and Surfaces of the Second Order.

G—CALCULUS, Differential and Integral.—Applications to Mechanics and Geometry.

Text-book, Bowser's *Differential and Integral Calculus*.

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## MECHANICS.

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A—ANALYTICAL MECHANICS.—I. Principles of Statics. II. Principles of Dynamics. III. Principles of Hydrostatics.

The text is supplemented by notes, lectures, solutions and discussion of practical applications and use of apparatus.

B—THERMODYNAMICS.—Heat, Steam, Fuel Economy, Engine Construction, Engine Tests, Study of Details, Boiler Construction and Tests.

Lectures supplemented by visits and examinations of machines in actual operation.

C—APPLIED MECHANICS.—Resistance and Elasticity of Materials, Cantilever, Simple and Continuous Beams, Columns, Torsion and Shafts, Stresses, Resilience, Tension and Compression, Flexure in Beams, Shear and Torsion, True and Apparent Stresses, Design and Construction of Beams in Wood and Steel, design of Girders.

Text-book, Merriman's *Mechanics of Materials*.

D—MECHANICS OF SOLIDS AND LIQUIDS—ADVANCED.

(A knowledge of the Calculus will be required for this course.) Statics of Concurrent and Parallel Forces. Jointed Frames. Graphical Statics. Theory of Couples. Friction. Mass-moments. Theorems of Guldinus. Determination of Centroids. Rectilinear and Parabolic Motion. Work and Energy. Impulsive Forces. Direct and Oblique Impact of Homogeneous Spheres. Circular Motion. Angular Velocity and Acceleration. Simple Harmonic Motion. Motion in a Vertical Curve. The Conical Pendulum. The Ordinary Pendulum. Determination of Moments of Inertia. Theory of Potential. Derived Units and Their Dimensions. Pressure Due to Gravitating Liquids. Centre of Pressure. Equilibrium of Floating Bodies. Determination of Metacentre. General Hydromechanics. The Barometer and its Application to Hypsometry. Compressed Air Manometers. Exhausting and Condensing Air-pumps.

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## PEDAGOGY.

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A—EDUCATION.—Object of Education. Importance of Knowledge of Physical Laws. Importance of Knowledge of Mental and Moral Laws. Development of Mental Power.

B—THE TEACHER.—His Qualifications, Duties, Responsibility.

C—CLASSIFICATION.—General Principles. Classification of standards.

D—REGISTRATION.—Advantages. Modes.

E—ORGANIZATION—Arrangement. Distribution. Employment. Subdivision. Specialties.

F—DISCIPLINE—Superintendence. Motives. Code of Regulations. Means thereof. True vs. False Discipline.

G—METHOD—Synthesis and Analysis. Individual vs. Simultaneous System. Mutual. Questioning.

H—METHOD OF READING AND SPELLING.

I—WRITING—Analysis of Written Characters. Classification of Written Characters. General Method of Teaching Penmanship.

J—GEOGRAPHY—General Principles. Lessons on Mountains, Rivers, Productions, Climate, Maps various kinds. Classification, Association, Contrast, Resemblance. Physical, Political and Astronomical Geography. Generalization.

K—HISTORY—Chronology. Causes. Events. Relation to Geography. Ancient. Modern. Institutions, etc.

L—GRAMMAR—Method in Teaching, Lessons on Various Parts of Speech. Lessons in Etymology. Syntax. Sentence Building. Composition. Parsing. Analysis. Paragraphing. Paraphrasing, etc.

M—ARITHMETIC—General Principles. First Lessons in Number. Use of Symbols. Lessons in the Fundamental Rules. Decimal and Fractional Values. Application of the Various Principles Throughout the Subject. Text Books.

N—EXAMINATION—General Principles. Uses, Abuses. Time and Matter.

O—EDUCATORS—Aristotle, Bede, Alcuin, Abelard, Loyola, De La Salle, Rousseau, Pestalozzi, Froebel, Herbart, and the others that occupy a prominent place in the history of education.

The above is an outline of the same subjects treated in the Theory and Practice of Teaching.

All the ordinary branches will be taken up in proper course and treated in an analogous manner.

Books of reference will be mainly *School Management*, by Christian Brothers. *Methodology and Vade Mecum*, Christian Brothers. *Theory and Practice of Teaching*, Page. *White's School Management*.

In the History of Education there will be a study of the times, life and methods of the great educators.

## PHILOSOPHY.

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A—FORMAL LOGIC—The Idea. Errors as to the Nature of Ideas in Modern English and German Philosophy. The Nature of Judgment. The Value of the Syllogism.

B—CRITICAL LOGIC—The Possibility of Certainty. Skepticism. Veracity of the Senses and the Intellect. Idealism vs. Realism. Universals. Authority and Belief.

C—METAPHYSICS—The Aristotelian Transcendentals. Causation. Errors Concerning Causation. Final Causes.

D—COSMOLOGY—Nature, Origin, and Duration of the Universe. Ultimate Constituents of Bodies. Theory of Matter and Form. Laws of Nature. Possibility of Miracles.

E—PSYCHOLOGY—Rational vs. Experimental Psychology: Value of each. Faculty, Habit and Action. The Life Principle. Vegetative Life. Theory of Sensation. Of Intellection. Association of Ideas. Evolutionism. Heredity. Freedom of Will. Spirituality and Immortality of Man's Soul. Psychology and the Teacher.

F—NATURAL THEOLOGY—Proof of God's Existence and Providence—Deism, Pantheism, Agnosticism, Atheism. Existence of Evil. Preservation of Creatures. Divine Concurrence.

G—GENERAL ETHICS—Nature of a Human Action. Ultimate End of Human Actions. Determinants of Morality. Does the End Justify the Means? Hindrances to the Perfection of a Human Action. The Passions. Habit. Virtue. Vice.

H—SPECIAL ETHICS—I. Man's Rights and Duties as an Individual. Man's Duties to God. Adoration, Love, Obedience. Man's Duties to His Neighbor, as Regards Soul and Body. Man's Duties to Himself, as to Soul and Body. Suicide and Dueling.

II. Man's Rights and Duties as Citizen. The State. Its Constituent Elements. Its Origin, End, Scope and Limits.

III. Common Law of Nations. Peaceful Relations Among Nations. War.

IV. Ecclesiastical Society. The Church. Its Origin and Con-

stitution. Its End and Limits. Its Superiority to the State. Its Mission to the Modern World.

I—EXPERIMENTAL PSYCHOLOGY—Elements and General Methods.

J—HISTORY OF PHILOSOPHY—Brief Course.

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## PHYSICS.

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A—GENERAL PHYSICS. First Term: General Study of Matter. Elementary Mechanics, Acoustics and Heat. General Principles and Solution of Problems in Reference to Lectures.

Second Term: Radiant Energy. Electricity and Magnetism. General Principles and Practical Problems.

B—LIGHT. First Term: Nature of Radiation. Velocity and Intensity of Light. Reflection and Refraction of Light. Spectra. Chromatics, Polarization. Study of Optical Instruments.

HEAT—Second Term: Nature of Heat and Temperature. Production and Transference of Heat. Measurement. Relation between Heat and Work.

C—ELECTRICITY. Fundamental Phenomena. General Laws. Distribution. Induction. Condensers. Effects of Discharge. Influence Machines. Primary Batteries. The Electric Current. Ohm's Law and Applications. Magnetic, Thermal and Chemical Action of the Electric Current. The Electromagnet. Current Induction. Induction by Magnets. The Induction Coil. Continuous Current Dynamo and Motor. The Electric Transmission of Energy. Electric Lighting. Thermo-Electric Currents. Telegraphy. Atmospheric Electricity.

MAGNETISM—Permanent Magnets. The Molecular Theory. Magnetic Induction. The Magnetic Field. The Magnetic Circuit. Comparative Strength of "Fields" and of Magnets. Terrestrial Magnetism. The Compass Needle. The Dip Circle. Magnetic Charts.

D—THE STEAM ENGINE. Mechanism of Steam Engines. Rotary and Single-acting Engines, Compound and Multiple Expansion Engines. Details of Construction.

E—ELECTRIC MEASUREMENTS. Elementary Theory of the Astatic, Tangent and Ballistic Galvanometers. Ammeter and Voltmeter. Wheatstone's Bridge. Applications to Measurement of Currents, Electromotive Force, Resistance, Capacity. Determination of the Magnetic Elements.

F—ELECTRICITY. Elementary Theory of Electric and Magnetic Potential. The Mutual Action of Conductors Conveying Currents. The Mutual Action Between Magnets and Conductors Conveying Currents. The Principle of Reversibility ; its Application to the Voltaic Cell, Influence Machines, Dynamos, Thermo-electric Generators. Grouping of Cells for Efficient Working. Manipulation of Secondary Batteries. Problems Relating to the Division of the Current.

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ACADEMIC DEPARTMENT

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## ACADEMIC DEPARTMENT.

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The Academic Department offers a course of four years and is intended to prepare the students for entrance to one of the College Departments. The grade of studies corresponds to the preliminary requirements of the Regents of the University of the State of New York for entrance to the Freshman class. Students who show satisfactory acquaintance with the subjects of the First class, are admitted without further examination into the Freshman class.

The most favorable time for entrance is at the beginning of the scholastic year. The regular examinations for admission take place on the first Tuesday in September. **ADMISSION.** Students will, however, be received at any time during the year, but not for a shorter period than five months.

Newly admitted students must present a certificate of good character, and if they come from another institution, a letter of honorable dismissal.

Each student on being admitted, is examined and classified according to his attainments.

The classes are frequently examined, and students are not allowed to pass from one subject to another until they have given evidence of adequate knowledge of the subject-matter of their previous studies. **EXAMINATIONS.** In the advanced classes the January and June examinations are conducted in writing. A student who shows by the results of the examinations that he is unable to follow the studies of his class will be placed in a lower grade.

Each week the Director or Inspector takes account of the work done by every pupil in the Department. This report is read before the professors and the students, and is commented upon by the Director.

Summarized reports of the examinations are forwarded to the parents at the end of each session.

It is requested that these reports be carefully examined, as showing the exact standing of the student, and afterwards returned to the Director, with the signature of the parent or guardian.

REPORTS.

Percentages are appreciated as follows: From 90 to 100, excellent; from 80 to 90, very good; from 70 to 80, satisfactory.

Any percentage below 70 is to be considered unsatisfactory, and parents are requested to consult with the Director on the measures to be adopted to insure the progress of their sons.

All promotions are based on the results of the several examinations and also on the daily marks. No student will be allowed to pass from one class to another unless he has given satisfactory proof of his ability to follow the higher class. Promotions are generally made at the end of the scholastic year, but a student may be promoted at other times, provided his work, joined to the recommendation of the Professor, shows his fitness therefor.

PROMOTIONS.

A student failing in some of the branches of his class at the final examinations may present himself for further examination at the opening of the next session, and if then successful will be entitled to promotion with his class.

FAILURE IN  
EXAMINATIONS.

The students of the higher classes should devote at least three hours to the preparation of their class-work; those of the lower classes should spend a proportionate amount of time.

HOME STUDY.

The hearty cooperation of its patrons is requested by the faculty in its efforts to promote the advancement of the students. It is of paramount importance that parents place no obstacle in the way of their sons' progress, and that they do not excuse them from study for slight or trivial reasons.

Parents are asked to examine the progress and standing of their sons in class, as given in the reports, and they are cordially invited to visit the College as often as possible. Above all things they are urged to lay stress upon punctuality in daily attendance. Every lesson missed or omitted is an injury to the student's progress, and may seriously interfere with the proper understanding of subsequent lessons.

Students are expected to show at all times gentlemanly behavior ;  
they must also remember that whatever is opposed to  
**DISCIPLINE.** such behavior is as much out of place in the schools as  
in the family circle.

No student will be retained who is insubordinate or whose society  
might prove undesirable for his companions.

Punctuality, both in arrival at school and in attendance at recita-  
tions, is required of every pupil. Only cases of urgency  
**ATTENDANCE.** should excuse from school, even for half the daily ses-  
sion. A student absent from a recitation is marked "zero," and will  
be required to make good the task omitted.

A written excuse from the parents will be required in all cases of  
absence. This excuse will not be accepted in lieu of tasks omitted.

School opens at 8.30 A.M. and closes at 3.30 P.M. At 11.45 A.M.  
an hour and a quarter is allowed for luncheon.

Wednesday and Saturday afternoons are the regular weekly holi-  
days.

Students who live in the College are not allowed to leave the  
**BOARDERS.** grounds without authorization.

Visiting hours for resident students are from one to five on Sun-  
day afternoon.

## ACADEMIC DEPARTMENT.

### FIRST YEAR.

English.—Grammar, *Principles of English Grammar*. Christian Brothers.

Reading, English Classics.

Spelling, *Pronouncing Speller*, Christian Brothers.

Composition, Simple Stories and Fables reproduced in pupil's own phraseology.

Elocution, Exercises in Utterance, Inflection, etc.  
Concert and individual recitation of selections made by the professor.

History, *History of the United States*.

Geography, General Geography.

ARITHMETIC.—*Complete Arithmetic*, Christian Brothers. Exercises in Mental Arithmetic.

LATIN.—*First Latin Book*, Collar & Daniell.

PENMANSHIP.—*Christian Brothers' Series*.

DRAWING.—*Elementary Course in Freehand*, Christian Brothers.

CATECHISM.—*Baltimore Council*.

### SECOND YEAR.

ENGLISH.—Reading, Irving's *Alhambra*; Longfellow's *Evangeline*.

Grammar, *Principles*, Completed.

History, *History of the United States*, Completed.

Composition, Stories reproduced by pupils, and easy original work.

Elocution, individual and concert work.

ARITHMETIC.—*Complete Arithmetic*, finished and reviewed.  
Mensuration.

PENMANSHIP.—*Christian Brothers Series*.

{ GREEK<sup>1</sup>—Elements of Grammar.  
OR Reading easy selections.

FRENCH OR GERMAN.—First Year's work (see page 66 or 67).

<sup>1</sup> Greek is required of candidates for the Classical Department, but no French or German. French or German is substituted for Greek by candidates for the Scientific Department. Candidates for the English-Science replace Latin and Greek by French and German.

LATIN.—Grammar and Composition.

Cæsar *De Bello Gallico*, Books I–IV.

DRAWING.—Freehand, sketching easy subjects.

RELIGIOUS INSTRUCTION.—Deharbe's *Catechism No. 2*.

### THIRD YEAR.

ENGLISH.—Grammar, Advanced Course.

Reading, Selected Classics, as required for college entrance.

Composition, Sketches on Selected Topics. Lockwood's *Lessons in English*.

History, England and France.

Geography, *Physical*.

Elocution, Study of Modulation, Expression and Gestures.

ALGEBRA.—*School Algebra*, Wentworth.

LATIN.—Grammar and Prose Composition.

Cicero, *In Catilinam*, *Pro Archia*, *Pro Marcello*.

{ GREEK.—Grammar and Prose Composition.

OR Xenophon, *Anabasis*. Books I–III.

{ FRENCH OR GERMAN.—Second Year's work (see page 64 or 65).

RELIGIOUS INSTRUCTION.

### FOURTH YEAR.

ENGLISH.—Rhetoric, *Lockwood's English*, Completed.

Composition, Short essays, Newspaper reports.

Reading, Classics as required for college entrance.

Elocution, Recitation of prepared selections.

History, Outline of Greece and Rome.

Geography, *Classical*.

MATHEMATICS.—Algebra, Wentworth's *School*, Completed.

Geometry, *Plane and Solid*, Wentworth's.

PHYSICS.—Elementary Course.

Principles of Natural History.

LATIN.—Prose Composition.

Virgil's *Æneid*, Books I–VI. Prosody

{ GREEK.—Prose Composition.

OR Homer's *Iliad*, Books I–III. Prosody.

{ FRENCH OR GERMAN.—Third Year's work (see page 66 or 67).

RELIGIOUS INSTRUCTION.

## SPECIAL LATIN CLASS.

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Attached to the Academic Department is a special class for young men whose knowledge of the classics disqualifies them for entrance into the Freshman class. In this special Latin class a large portion of the daily session is devoted to Latin and Greek authors. Lessons are given in English Classics also, and in such branches of mathematics or science as may specially benefit the students. As soon as a young man shows by examination that he has made good his deficiencies, he is advanced to the Freshman class and thereafter follows the regular College curriculum.

## ACADEMIC COURSES IN FRENCH.

### FIRST YEAR.

Elementary grammar and ability to write from memory one of the following selections :

Boucher de Perthes, *La petite mendiante*, *Le petit Pierre*—Leconte de Lisle, *Trois fils d'or*—Alfred de Musset, *Tristesse*, *Chanson de Barberine*—La reine Hortense, *Partant pour la Syrie*—Victor Hugo, *La tombe dit à la rose*, *Conseils à un enfant*—Coppée, *Etoiles filantes*,—Bourget, *Beau soir*—Arnault, *La feuille desséchée*, *Le colimaçon*.

### SECOND YEAR.

Advanced grammar and ability to translate such works as :

Sand, *La mare au diable*—Maistre, *Voyage autour de ma chambre*—Lamartine, *Graziella*—St. Pierre, *Paul et Virginie*—Beaumarchais, *Barbier de Seville*—Souvestre, *Un philosophe sous les toits*—Saintine, *Picciola*—Feuillet, *Le roman d'un jeune homme pauvre*—Hugo, *Notre Dame de Paris*—Dumas, *Trois mousquetaires*—Halévy, *L'Abbé Constantin*—Daudet, *La Belle-Nivernaise*, *La dernière classe*, *Le siège de Berlin et d'autres contes*, *Trente ans de Paris*; *Tartarin de Tarascon*.

Prose Composition and ability to write from memory one or more of the following selections: La Fontaine, *La cigale et la fourmi*, *Le corbeau et le renard*—Alfred de Musset, *Adieu*, *Chanson de Fortunio*, *Les deux routes*—Châteaubriand, *Le montagnard émigré*—Béranger, *Adieux de Marie Stuart*, *Mon habit*—Gautier, *La Source*.

### THIRD YEAR.

Advanced grammar and ability to translate selections from :

Corneille, *Le Cid*, *Horace*, *Cinna*, *Polyeucte*—Molière, *Le bourgeois gentilhomme*, *L'avare*, *Le misanthrope*—Racine, *Athalie*, *Esther*, *Andromaque*—Fénelon, *Telemaque*—De Stael, *Corine*.

Prose Composition and ability to write from memory one or more of the following selections: La Fontaine, *Le chêne et le roseau*—Béranger, *Le retour dans la patrie*, *Les souvenirs au peuple*—Delavigne, *La mort de Jeanne d'Arc*—Voltaire, *Massacre de la Saint-Barthelemy*—Rouget de Lisle, *La Marseillaise*—Victor Hugo, *La pauvre fleur*—Lamartine, *Hymne de l'enfant à son réveil*—Dupont, *Les bœufs*—Coppée, *L'écho*.

## ACADEMIC COURSE IN GERMAN.

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### FIRST YEAR.

Elementary grammar and ability to write from memory one or more of the following selections: Rückert, *Sinnsprüche*—Goethe, *Heidenröslein*—Uhland, *Der gute Kamerad*, *Der Wirthin Töchterlein*, *Das Schloss am Meere*—Heine, *Die Lorelei*, *Du bist wie eine Blume*—Von Fallersleben, *Veigissmeinnicht*—Volkslieder, *O Strassburg*.

### SECOND YEAR.

Advanced grammar and ability to translate such works as: Jacob and Wilhelm Grimm, *Kinder-und Hausmärchen*—Andersen, *Bilderbuch ohne Bilder*—Hauff, *Das kalte Herz*—Storm; *Immensee*, *Geschichten aus der Tonne*—Von Hillern, *Höher als die Kirche*—Meissner, *Aus meiner Welt*—Leander, *Träumereien*—Bernhardt, *Noveletten-Bibliothek*—Freitag, *Die Journalisten*—Jensen, *Braune Erica*—Auerbach, *Brigitta*—Fischer, *Die Wandelnde Glocke*.

### THIRD YEAR.

Advanced grammar, and ability to translate selections from: Lessing, *Nathan der Weise*, *Minna von Barnhelm*—Goethe, *Faust* (part 1), *Hermann und Dorothea*, *Wilhelm Meister*—Schiller, *Wallenstein*, *Die Jungfrau von Orleans*, *Wilhelm Tell*, *Maria Stuart*, *Geschichte des dreissigjährigen Kriegs*—Uhland, *Gedichte*.

Prose Composition and ability to write from memory one or more of the following selections:

Goethe, *Der Sänger*, *Gesang der Geister über den Wassern*, *Der Fischer*, *Mignon*—Schiller, *Die Hoffnung*—Heine, *Belsazer*—Körner, *Gebet während der Schlacht*—Hauff, *Reiter's Morgengesang*—Uhland, *Des Sängers Fluch*—Volkslied, *Der Schnitter Tod*.



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COMMERCIAL DEPARTMENT

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## COMMERCIAL DEPARTMENT.

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Students who desire to be prepared for the routine of mercantile life, will find every facility for so doing in the Commercial Department. The course may be completed in two or three years, according to the standing of the student on entering.

As the aim of this department is not to give the knowledge of those branches only that enter into the every-day work of business life, the studies are so arranged as to afford a good general course of instruction.

English Composition and Letter-Writing receive special attention, and the student is required to treat various topics in a manner that will enable him to write with ease and elegance reports on a given topic, circulars and other kindred work. General history is treated in connection with the English Course, and various questions relating to Political Economy and Commercial Law, are treated in the classroom, thus affording the student some ideas on the vital questions discussed in every-day life. Weekly lessons are given in the art of public speaking, thus enabling the student to acquire a graceful and easy delivery.

The Mathematics taught include not only a complete course of Commercial Arithmetic, but also an elementary course of Geometry and Algebra.

The courses in Physics and Chemistry are sufficiently extensive to enable the students to follow with interest the various scientific questions and discussions which form so large a part of modern reading.

The students receive a complete course in standard business methods, filling of commercial papers, and banking transactions. They also attend a course in Commercial Law, including mercantile papers, contracts, negotiable papers, the obligations of common carriers, leases, etc.

Phonography and Typewriting are parts of the course, and the student is offered every opportunity in these essential branches of office work.

Courses of Linear Drawing and Telegraphy are open to students desirous of acquiring a knowledge of these branches.

Students may enter this Department after completing the Third Academic class, provided they give satisfactory evidence of their being able to follow the course.

The rules governing the Commercial Department are similar to those of the Academic Department. Several courses in the College proper are open to students desirous of obtaining a more advanced knowledge of science and mathematics, but proof must be given of sufficient preparation to follow them with advantage.

Students who complete this course receive a certificate as a guarantee of their fitness for mercantile employment.

## COURSE OF STUDIES.

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### COMMERCIAL DEPARTMENT.

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#### FIRST CLASS.

ENGLISH—Rhetoric, English Literature.

Reading of English Classics.

Essays on Business Topics.

Elocution, weekly lesson on selected pieces.

History, General : Ancient and Modern.

POLITICAL ECONOMY—Property, Land Tenure, Population, Money, Wages, Capital, Labor, Trades unions, Tariff, Free-trade, Protection ; Encyclical of His Holiness, Leo XIII., *On the condition of Labor*.

MATHEMATICS—Commercial Arithmetic, Reviewed.

Algebra, *School Algebra*, Complete.

Geometry, Plane.

BOOKKEEPING—Practical Business Sets ; Banking.

PHONOGRAPHY—Reporting Style.

CHEMISTRY—Elements of Chemistry.

TYPEWRITING—Commercial and Legal Papers.

RELIGIOUS INSTRUCTION—Schouppe's *Course*.

#### SECOND CLASS.

ENGLISH—Dictation Exercises, Practical Grammar.

Exercises in Composition.

Commercial Correspondence.

Elocution, weekly lessons.

History, Modern History.

History of Commerce, with Commercial Geography.

LAW—Commercial Law ; Civil Government.

MATHEMATICS—Commercial Arithmetic, Mental and Written.

Algebra, as far as Simultaneous Equations.

Mensuration.

PENMANSHIP—Business and Epistolary Writing.  
BOOKKEEPING—*Complete Bookkeeping*. Christian Brothers.  
PHONOGRAPHY—Corresponding Style.  
PHYSICS—Elements of Physics.  
TYPEWRITING—Fingering ; Letter Writing ; Business Forms.  
RELIGIOUS INSTRUCTION—Schouppe's *Course*.

### THIRD CLASS.

ENGLISH—Spelling and Defining, Dictation.  
Grammar.  
Elocution, one hour weekly.  
History : History of the United States.  
Composition, Letter Writing.  
Commercial Geography.  
MATHEMATICS—Commercial Arithmetic, Mental and Written.  
PENMANSHIP—Movement Exercises and the Study of Forms.  
BOOKKEEPING—*Students' Manual* ; Single and Double Entry.  
DRAWING—Freehand Drawing.  
RELIGIOUS INSTRUCTION—Catechism and Bible History.



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COLLEGE SOCIETIES

LECTURE COURSES

CLASS EXERCISES

COMMENCEMENT DAY

LIST OF PRIZES

STUDENTS' ROLL

GRADUATE LIST

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## COLLEGE SOCIETIES

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### MANHATTAN COLLEGE ALUMNI SOCIETY

The object of the Society is to keep alive among the Alumni the sentiment of affection for their Alma Mater, and to unite the graduates of successive years by a common tie of fellowship.

Regular meetings are held on Commencement Day, after the graduating exercises, and on the 22d of February.

There are three reunions of the Society each year : at the Alumni Dinner, at the Memorial Mass on Decoration Day, and at the reception of the newly-graduated class on Commencement Day.

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### THE APOSTLESHIP OF PRAYER, LEAGUE OF THE SACRED HEART.

The Holy League of the Sacred Heart of Jesus is established among the students with the object of fostering piety and devotion, and of acquiring more thoroughly the true spirit of Christianity.

The Promoters meet frequently, and these meetings, together with the public exercises of the first Friday of the month, constitute the principal exterior functions of the League.

#### OFFICERS.

REV. BROTHER JOHN CHRYSOSTOM, CHIEF PROMOTER.

JOHN T. LARKIN,	}	SENIOR CLASS.
PETER A. HANLEY,		
PHILIP J. MAGRATH,	}	JUNIOR CLASS.
JAMES B. LEHNEMANN,		
JOSEPH T. DOYLE,		SOPHOMORE.
DENIS O'L. COHALAN,	}	FRESHMAN CLASS.
CHARLES A. DOYLE,		
BERNARD F. CONAGHAN,	}	FIRST ACADEMIC—A.
JOHN A. HORAN,		
JAMES P. CAHILL,	}	FIRST ACADEMIC—B.
JOSEPH A. LAWLER,		
LEON E. VERRY,		SECOND ACADEMIC.
CHARLES E. FOYE,	}	THIRD ACADEMIC.
VINCENT J. A. DOUGLAS,		
WILLIAM J. FITZPATRICK,	}	FIRST COMMERCIAL CLASS.
CLAUDIO PIEDRA,		
PATRICK H. J. McCORMACK,		SECOND COMMERCIAL CLASS.

## DE LA SALLE LITERARY UNION.

This Society is confined to the students of the Senior year. The end proposed is the free discussion of questions pertaining to philosophy, which have been suggested, but not fully treated in the classroom. The Professor of English Literature acts as moderator.

### OFFICERS.

REV. BROTHER ANTHONY, HONORARY PRESIDENT.  
PRESIDENT, . WILLIAM M. DWYER.  
VICE-PRESIDENT, JAMES R. BARTLEY.  
TREASURER, . ALOYSIUS G. O'CONNOR.  
SECRETARY, . JOHN T. LARKIN.  
CRITIC, . . PATRICK E. WALSH.

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## NEWMAN LITERARY UNION.

The members of the Junior Class belong to this Society. The exercises, consisting of original essays and debates on literary or other subjects, are held on Friday afternoon. The Professor of English Literature acts as moderator of this Society; the other officers are chosen every three months.

### OFFICERS.

REV. BROTHER ADJUTOR, MODERATOR.  
THOMAS J. McLAUGHLIN, PRESIDENT.  
JOHN M. GANLEY, VICE-PRESIDENT.  
THOMAS S. NAUGHTON, SECRETARY.  
JAMES P. KIRBY, TREASURER.  
CHARLES A. EDWARDS, CRITIC.

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## HUGHES LITERARY UNION.

This Society is open to the students of the Sophomore year. Meetings are held at least twice a month, the principal exercises of which are debates on historical and scientific subjects, and on questions of the day, as well as essays on various topics. The Senior Professor of the class acts as Honorary President, and the other officers are elected every two months.

The retiring officers were :

REV. BROTHER JOHN, HONORARY PRESIDENT.  
PRESIDENT, . J. WALTER McMORROW.  
VICE-PRESIDENT, VINCENT P. O'MAHONEY.  
SECRETARY, . LAWRENCE J. GALLAGHER.  
TREASURER, . JOS. A. CONNOLLY.  
CRITIC, . . MICHAEL A. O'NEILL.

## McCLOSKEY LITERARY UNION.

This Society, composed of the members of the Freshman Class, holds its regular meeting on Friday afternoon. The exercises consist principally of debates on various subjects, to train the students to fluency of speech and readiness in argument. The Moderator is appointed by the President of College, and the other officers are chosen bi-monthly.

The officers at the close of the last scholastic year were :

REV. BROTHER BENEDICT, MODERATOR.  
THOMAS P. HAYES, PRESIDENT,  
LEONARD P. SHEA, VICE-PRESIDENT.  
THOMAS E. HOWLAN, TREASURER.  
DIONYSIUS W. BURKE, SECRETARY.  
JOSEPH P. DEMPSEY, CRITIC.

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## CORRIGAN LITERARY UNION.

The students of the First Academic Class have formed themselves into a literary society, which they have named after the illustrious Archbishop of New York. They hold regular monthly meetings, and sometimes class exercises, to which the College students are invited.

The officers at the close of the last term were :

HONORARY PRESIDENT, REV. BROTHER THOMAS.  
PRESIDENT, . . . JOHN E. LONERGAN.  
VICE-PRESIDENT, . DANIEL J. MOONEY.  
SECRETARY, . . . WILLIAM A. RYAN.  
TREASURER, . . . WILLIAM J. FLOOD.  
CRITIC, . . . . PETER A. SWEENEY.

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## IRVING LITERARY UNION.

This Society, named after one of New York's first contributors to the annals of American literature, consists mainly of students of the Second Academic Class.

### OFFICERS.

REV. BROTHER PAPHYLINUS, DIRECTOR.  
TIMOTHY I. O'CONNELL, PRESIDENT.  
FRANK J. HEAFY, VICE-PRESIDENT.  
JOSEPH P. O'MAHONEY, SECRETARY.  
WILLIAM J. ROBBINS, TREASURER.  
JAMES R. FENNELL, CRITIC.

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## COMMERCIAL LITERARY SOCIETY.

The Commercial Department has likewise its literary Society. The students hold weekly meetings and discuss subjects pertaining to

their future career in life. The Principal of the department acts as Honorary President, while the other officers are chosen quarterly.

The last officers were :

REV. BROTHER AMOS, HONORARY PRESIDENT.

JOHN L. CUMMINGS, PRESIDENT.

WILLIAM P. BARRY, VICE-PRESIDENT.

FRANCIS J. B. MAHER, TREASURER.

CHARLES B. BARTON, SECRETARY.

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### MANHATTAN COLLEGE GLEE CLUB.

The Glee Club has for object the cultivation of vocal music, and the preparation of such musical items as are required for the College entertainments. The Club meets twice a week under the direction of the Professor of vocal training. The Glee has also full control of the music for the College Church festivals.

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#### PROFESSOR FREDERICK J. LISCOMBE, Musical Director.

FRANCIS A. CASEY,  
EDWIN A. BOLGER,  
PHILIP J. MAGRATH,  
JOHN F. DALY,  
JOHN E. DOLLARD,  
WILLIAM H. SULLIVAN,  
JOHN E. LONERGAN,  
JAMES J. TIGHE,  
JOSEPH A. DUNNY,  
JOSEPH R. JACKSON,  
WALTER J. MCMORROW,  
FRANCIS X. FAULHABER,  
IRVING J. MCLARNON,  
JOHN J. DONOVAN,  
JAMES R. BARTLEY,  
ROBERT W. WILKES,

JOHN A. BYRNES,  
WILLIAM J. IVORY,  
WILLIAM P. O'RYAN,  
JOHN J. DWYER,  
ROBERT A. POMMERER,  
JOHN B. CAVINATO,  
DANIEL A. CARMAN,  
JOSEPH F. HOLLAND,  
JOHN E. KIFFIN,  
JOSEPH A. CONNELLY,  
JOHN A. HORAN,  
JAMES J. KANE,  
EDWARD F. ROCHE,  
PETER A. SWEENEY,  
WILLIAM A. RYAN,  
GERARD CUOCO.

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### MANHATTAN COLLEGE ORCHESTRA.

Leader, PROFESSOR VON GHELE.

LEON E. VERRY,  
ULYSSES A. LARIVIERE,  
JOSEPH A. COLLINS,  
JOSEPH A. DEVINE,  
ROBERT A. POMMERER,  
LINO COSCOLLUELA,

JAMES F. LEDWITH,  
JAMES E. TIMON,  
WILLIAM E. QUINN,  
DENIS G. MULVANEY,  
JAMES E. FINEGAN,  
JOHN CROTTY.

## MANHATTAN COLLEGE

The following lectures were delivered at the College during the past year by members of the Alumni Society :

IRISH ORATORY, . . . . .	By HON. JAMES J. WALSH, '77
RICHARD BRINSLEY SHERIDAN, . . . . .	By PHILIP J. SINNOTT, ESQ., '89
"BEOWULF," THE FIRST ENGLISH EPIC, . . . . .	REV. PATRICK J. MAHONEY, D.D., '84
THE CHURCH AND THE BIBLE, . . . . .	REV. JAMES T. GOGGIN, '86
MAN AND THE GLACIAL EPOCH, . . . . .	REV. PATRICK J. HAYES, '88
UNITED STATES NAVY, . . . . .	REV. JOHN P. CHIDWICK, '83

# ANNUAL ENTERTAINMENT

OF THE

DE LA SALLE LITERARY UNION,

CLASS '99,

MANHATTAN COLLEGE,

TUESDAY EVENING, DECEMBER 20, 1898,

IN

DE LA SALLE HALL, CENTRAL PARK SOUTH.

## PROGRAM

### PART I.

Overture,	-	-	"Christmas Echoes."	-	-	Orchestra
The President's Address	-	-	-	-	-	William P. O'Ryan
"Our Nation"	-	-	-	-	-	Glee Club

### A SENATORIAL DEBATE UNDER DIOCLETIAN

Introductory Essay	-	-	-	-	-	Walter T. Casey
Diocletian	-	-	-	-	-	William J. Murray
Pagans	-	-	-	-	-	Patrick E. Walsh, John J. Kenney
Sophists	-	-	-	-	-	Joseph J. McGrath, Matthew Duggan
Christians	-	-	-	-	-	James Bartley, Leo Delany, Wm. J. Roche

### PART II.

Selection	-	-	-	-	-	Orchestra
America	-	-	-	-	-	David I. Quinn
"Bell of St. Mungret"	-	-	-	-	-	John E. Kiffin
"Sunlit Stream"	-	-	-	-	-	Glee Club
American Heroes	-	-	-	-	-	William M. Dwyer
"Sweet Home"	-	-	-	-	-	Quartet
John E. Dollard,						William P. O'Ryan,
Edwin A. Bolger,						John E. Kiffin.
Christmas	-	-	-	-	-	Peter A. Hanley
Finale	-	-	-	-	-	Orchestra

# OFFICERS OF THE DE LA SALLE LITERARY UNION.

Moderator	-	-	-	-	-	Rev. Brother Anthony
President	-	-	-	-	-	William P. O'Ryan
Vice-President	-	-	-	-	-	Walter T. Casey
Secretary	-	-	-	-	-	William J. Murray
Treasurer	-	-	-	-	-	Edward A. Birmingham
Critic	-	-	-	-	-	John T. Larkin

## COMMITTEE OF ARRANGEMENTS

James R. Bartley, Chairman.

James A. Cahill,  
Matthew J. Duggan,

John F. Gannon,  
Aloysius G. O'Connor.

## RECEPTION COMMITTEE.

Aloysius G. O'Connor, Chairman.

James A. Cahill,  
Patrick J. Quinn,  
Thomas McGrath.

John F. Gannon,  
Thomas J. King,  
Thomas O'Connor.

John T. Larkin.

# MANHATTAN COLLEGE.

LINCOLN DAY CELEBRATION,

BY THE

NEWMAN LITERARY UNION,

Class 1900,

IN THE COLLEGE HALL, AT 3.00 P. M.

SUNDAY, FEBRUARY 12, 1899.

## PROGRAM

### PART I.

Overture	-	-	"Spring's Awakening"	-	College Orchestra
Chorus	-	-	"Sailor's Song"	-	Glee Club

### DEBATE

Resolved :—That the United States Adopt an Expansive Policy.

-	-	-	-	-	Chairman, P. F. McSorley
Affirmative.					Negative.

Joseph R. Jackson,  
Edwin A. Bolger,

Thomas J. McLaughlin,  
Philip J. Magrath.

Selections	-	-	"Intermezzo"	-	Orchestra
John M. Ganley,			James J. O'Reilly,		
James P. Kirby,			John J. Curtin.		

### PART II.

Chorus	-	-	"Dixie Kid"	-	Glee Club
"The Day we Celebrate"	-	-	-	-	Patrick F. McSorley
Song	-	-	"Gavotte"	-	College Quartet
Reading	-	-	-	-	John P. Fitzgerald
Song	-	-	"Passing Regiment"	-	Glee Club
Recitation	-	-	"The Raven" (Illustrated)	-	Joseph F. Holland
Solo	-	-	"Just as the Sun Went Down" (Illustrated)	-	Wm. P. O'Ryan
Recitation	-	-	"The American Sailor" (Illustrated)	-	Joseph F. Sullivan
Finale	-	-	"Priests' March"	-	College Orchestra

## NEWMAN LITERARY UNION.

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### OFFICERS

							Moderator, Rev. Brother Adjutor.
President	-	-	-	-	-	-	Patrick F. McSorley
Vice-President	-	-	-	-	-	-	Edwin A. Bolger
Secretary	-	-	-	-	-	-	James J. O'Reilly
Treasurer	-	-	-	-	-	-	James P. Kirby
Critic	-	-	-	-	-	-	Joseph F. Sullivan

### COMMITTEE OF ARRANGEMENTS

John J. Curtin,	Joseph F. Holland,
John P. Fitzgerald,	Joseph R. Jackson,
John M. Ganley,	Philip J. Magrath,
	Thomas J. McLaughlin.

### RECEPTION COMMITTEE

Gerard J. Cuoco,	James J. Golden,
Daniel A. Carman,	James B. Lehnemann
Daniel M. Dougherty,	Justin J. Lyons,
Charles A. Edwards,	Michael J. Lyons,
Edward J. Flynn,	Thomas S. Naughton.

SOPHOMORE DAY

MANHATTAN COLLEGE.

"ERIN'S PATRON,"

THURSDAY, MARCH 16, 1899, 3.00 P. M.

COLLEGE HALL.

PROGRAM

Overture	-	-	Brian Boru	-	-	Orchestra
"Across the Seas"	-	-	-	-	-	Glee Club
Address	-	-	-	-	-	Edward F. Roche
"Sing a Song of Ireland"	-	-	-	-	-	Class Quartet
Irish Music (Essay)	-	-	-	-	-	Irving J. McLarnon
"Breezes of the Night"	-	-	-	-	-	Double Quartet
Irish Loyalty (Essay)	-	-	-	-	-	Edwin M. Sinnott
Solo	-	-	"Asthore"	-	-	Wm. P. O'Ryan
"I Puritani"	-	-	-	-	-	Instrumental Quartet
"The Harp of Tara"	-	-	-	-	-	Glee Club

SIR THOMAS MORE.

(Dramatis Personæ)

Henry VIII. (King of England)	-	-	-	Joseph A. Connelly
Duke of Norfolk (Prime Minister)	-	-	-	John H. Byrnes
Sir Thomas More (Lord Chancellor)	-	-	-	James J. Kane
William (More's Son)	-	-	-	Joseph M. O'Mahoney
Cromwell (Courtier)	-	-	-	J. Walter McMorrow
Sir Alfred Allerton (Judge)	-	-	-	Robert J. Walsh

Irish Airs	-	-	-	-	-	Orchestra
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## HUGHES LITERARY ASSOCIATION

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### OFFICERS.

President	Edward F. Roche
Vice-President	John J. McBride
Secretary	Jeremiah F. Sullivan
Treasurer	Joseph A. Connelly
Critic	John Joseph A. Scott

### COMMITTEE OF ARRANGEMENTS

John J. McBride	Edward F. Roche
John J. Donovan	James J. Kane
Joseph A. Connelly	J. Walter McMorro
John H. Byrnes, Jr	Robert J. Walsh
Patrick B. O'Brien	William E. Slevin

### RECEPTION COMMITTEE

Edwin M. Sinnott	Vincent P. O'Mahoney
Robert W. Pommerer	Joseph A. Dunney
Joseph T. Doyle	John J. Dwyer
Francis A. Casey	Michael O'Neil
James T. Tighe	Peter M. Furey
Irving J. McLarnon	Lawrence J. Gallagher
Michael A. Walsh	John J. Murray

# MANHATTAN COLLEGE

## THANKSGIVING ENTERTAINMENT

Wednesday, November 23, 1898, at 3 P. M.

### STUDENTS OF THE FRESHMAN CLASS

To their Parents and Friends

#### COLLEGE HALL

#### PROGRAM

Overture	-	-	-	Tobani	-	-	College Orchestra
National Glory	-	-	-	Clay	-	-	Charles A. Doyle
"America"	-	-	-	Perkins	-	-	College Glee Club
Spartacus	-	-	-	Kellogg	-	-	Leo A. Halpin
Piano Solo, "Trompettes de la Guerre"	(Sydney Smith),			Robert W. Wilkes			
Scathing Invective	-	-	-	Grattan	-	-	Charles J. Savage
"Down 'Mid the Clover"	-	-	-	Geibel	-	-	College Quartet
Erin's Braves	-	-	-	Sheil	-	-	James J. Riordan
Vocal Solo, "A Dream of Paradise"	(Gray)			Wm. P. O'Ryan			
Yesterday, To-day and Forever	-	-	-	Sheil	-	-	Wm. J. Darcey
Violin Solo, "Obertass"	-	-	-	(Wieniawski)	-	-	Lino Cosculluela
Ireland	-	-	-	Sheil	-	-	Denis O'L. Cohalan
"The Starlight Gilds the Stream"	(Linders)			College Glee Club			
Dialogue, "Inconstancy,"	(Adapted)			-	-	-	Allingham
Mr. Fidget, Sr.				Joseph P. Dempsey			
Mr. Fidget, Jr.				Robert W. Wilkes			
Sneer—Servant				Thomas E. Howlan			
"Stars and Stripes Forever"	-	-	-	(Sousa)	-	-	College Orchestra

### OFFICERS OF CLASS.

President	Frank J. Dwyer
Vice-President	Thomas E. Howlan
Secretary	Robert C. Nolan
Treasurer	Joseph P. Dempsey
Critic	Joseph F. Caponigri

### COMMITTEE OF ARRANGEMENTS.

Thomas E. Howlan, Chairman

Joseph P. Dempsey	Charles A. Doyle
Denis O'L. Cohalan	Charles J. Savage
Robert J. Wilkes	James J. Riordan
Leo A. Halpin	William J. A. Darcy

### RECEPTION COMMITTEE.

Peter J. Smith, Chairman

Richard J. Corcoran	Robert C. Nolan
Leo C. Devery	Leonard P. Shea
Dionysius W. Burke	Cornelius A. Byrnes
Francis J. Dillon	Thomas P. Hayes

# MANHATTAN COLLEGE

## CONTEST IN ELOCUTION . . . .

### . . . . ACADEMIC DEPARTMENT

MONDAY, MAY 29, AT 3 P. M.

#### PROGRAM

"The Lion Hunt," Kolling (Overture)	-	Robert W. Wilkes
Deathbed of Benedict Arnold	- - -	J. P. McAvoy
Declaration of Independence	- - -	Jas. E. Murphy
"Song of Youth"	- - -	College Glee Club
Damon and Pythias	- - - -	Arthur E. Johnson
The Black Horse and his Rider	- -	Jos. M. O'Mahoney
"The Sentinel"	- - Solo - -	John J. Dwyer
Gualberto's Victory	- - -	Daniel J. Mooney
Battle of Warsaw	- - - -	Harry E. O'Neill
"The Musketeers"	- - -	College Double Quartet
Toussaint L'Ouverture	- - - -	Wm. A. Ryan
Polish Boy	- - - -	Wm. B. Farrell
"Roll Call"	- - Solo - -	John E. Kiffin
Verres Denounced	- - - -	John B. Cavinato
McLain's Child	- - - -	Peter A. Sweeney
"The Hills of Virginia"	- Solo -	Frank Faulhaber
England's Doom	- - - -	Wm. H. Grogan
The Expunging Resolution	- - -	John P. Horan
"Stabat Mater"	- - Violin Solo - -	Leon Verry
"March of the Guard"	- - - -	Glee Club
Decision of the Judges.		
Finale	- - - -	Prof. F. J. Liscombe

#### JUDGES.

Very Rev. Wm. L. Penny  
Hon. Jas. J. Walsh

Rev. Thomas F. Heafy  
J. J. Morrissey, M. D.

Mr. John Furlong.

— FORTY-SIXTH ANNUAL —  
..... COMMENCEMENT .....

OF

**Manhattan College**

HIS GRACE, MOST REV. M. A. CORRIGAN, D.D.,

Presiding

CARNEGIE HALL

TUESDAY, JUNE 20, 1899

AT FOUR O'CLOCK

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**Order of Exercises**

Overture	-	-	"Tancred "	-	-	Rossini
			Orchestra.			
Needs of the Hour	-	-	-	-		Walter T. Casey
St. Thomas and Modern Science	-	-	-	-		James R. Bartley
"Song of Beauty "	-		Bristow	-		College Glee Club
Progress of a Century	-	-	-	-		Peter A. Hanley
The American Soldier	-	-	-	-		William M. Dwyer
Selection	-	-	"Artist's Life "	-	-	Strauss
			Orchestra.			
The Church in the Philippines	-	-	-	-		James A. Cahill
National Character	-	-	-	-		John E. Kiffin
Miserere Scene	-		"Il Trovatore "	-	-	Verdi
			John A. Clark, John Farrell, and Glee Club.			
Leo XIII. in the Light of History	-	-	-	-		William P. O'Ryan
"Rise and Sing "	-		De Rillé	-		College Glee Club

**Conferring of Degrees**

GRANTING OF COMMERCIAL DIPLOMAS

AND AWARDING OF PRIZES

Address to the Graduates	-	The Honorable Thomas J. Gargan
March	-	"Knights of Columbus "
		Orchestra

## Degree of Bachelor of Arts.

JAMES RAYMOND BARTLEY  
JAMES ALOYSIUS CAHILL  
WILLIAM PATRICK O'RYAN  
MATTHEW JOSEPH DUGGAN  
PETER ALOYSIUS HANLEY  
DAVID IGNATIUS QUINN  
PATRICK EDWARD WALSH  
WILLIAM MARTIN DWYER  
JOHN LEO KENNEY  
WALTER THOMAS CASEY  
JOHN EDWARD KIFFIN  
JOHN FRANCIS GANNON  
JOHN THOMAS LARKIN  
ALOYSIUS GONZAGA O'CONNOR  
WILLIAM JOHN ROCHE  
THOMAS JOSEPH KING  
THOMAS SYLVESTER McGRATH  
EDWARD ALOYSIUS BIRMINGHAM  
THOMAS JOSEPH McGRATH  
CHARLES PATRICK CASSERLY  
DENIS JOSEPH DEVINE

### **Degree of Master of Arts.**

MAURICE A. BELLEW, A.B., '97.

TIMOTHY E. COHALAN, A.B., '97.

RICHARD R. COSTELLO, A.B., LL.B., '95.

EDWARD C. PODVIN, A.B., M.D., '95.

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### **Degree of Master of Science.**

FIELDING L. A. SEYMOUR, B.S., C.E., '94.

## Commercial Diplomas.

JAMES EDWARD FINEGAN  
JOHN LEO CUMMINGS  
PAUL JOSEPH GABRIELS  
WILLIAM JOSEPH FITZPATRICK  
WILLIAM PATRICK BARRY  
RODERICK JAMES McMAHON  
MILTON CHARLES WALSH  
CHARLES BUSH BARTON  
HENRY STEVENS GARVEY  
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EDWARD JOSEPH McMAHON

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BOYLAN, JAS. A., A.M., LL.B.	'91	"
BOWYER, HENRY M., A.M.	'73	"
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BRADY, JOHN J., A.M., LL.B.	'88	Albany, N. Y.
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*BRENNAN, REV. P. H., A.M.	'71	"
BRIODY, REV. JOHN H., A.M.	'83	"
BRITT, PHILIP J.	'85	"
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BROPHY, J. P., LL.D., Ph. D.	Causa honoris	"
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BROWNE, VALENTINE J.	'96	Yonkers, N. Y.
BOYLE, JAMES R.	'98	Brooklyn, N. Y.
*BUCKLEY, JOHN J., A.M.	'87	New York City
BURKE, WILLIAM J., LL.B.	'94	Middletown, N. Y.

BURKE, JOS. P., M.S., M.D.	'93	Buffalo, N. Y.
BURROUGH, WILLIAM F.	'95	New York City
*BURNS, REV. JOHN H.	'76	Albany, N. Y.
*BUTLER, REV. WM. R., A.M.	'84	New York City
BYRNE, THOS. F., A.M., LL.B.	'74	"
BYRNE, JOHN J.	'86	"
BYRNES, REV. J. M., A.M.	'74	Tottenville, S. I.
BYRNES, J. H., A.M., LL.B.	Causa honoris	New York City
*BYRON, REV. JOS., A.M.	Causa honoris	"
CAHILL, JAMES A.	'99	East Providence, R.I.
CALLAHAN, DENIS G.	'97	Brooklyn, N. Y.
CALLAN, WM. J., A.M., M.D.	'79	"
CAMPBELL, MICHAEL J.	'81	New York City
CAMPBELL, PETER J., M.D.	'90	Utica, N. Y.
CAREY, JAMES T., A.M.	'73	New York City
*CARNEY, REV. MICHAEL	'70	Deerfield, N. Y.
CAROLAN, JAMES P.	'69	Chicago, Ills.
CARR, REV. JOHN F., A.M.	'78	New York City
CARR, REV. PATRICK F., A.M.	'75	Denver, Col.
CASEY, ED. F., A.M., LL.B.	'85	Brooklyn, N. Y.
CASEY, WATER T.	'99	Pittsfield, Mass.
CASSERLY, CHARLES M.	'99	Chelsea, Mass.
CASTLES, PATRICK J.	'93	New York City
CHANDLER, JAMES A.	'98	Glens Falls, N. Y.
CHERRY, JOSEPH B.	'97	New York City
CHERRY, REV. DANIEL F.	'83	Brooklyn, N. Y.
CHIDWICK, REV. JOHN P., A M., U. S. N.	'83	Washington, D. C.
*CLANCY, REV. A. J., A.M.	'77	New York City
CLANCY, REV. P. J., A.M.	'80	Brewster, N. Y.
CLARKE, THOMAS F.	'67	Utica, N. Y.
CLARKIN, PHILIP P., LL.B.	'86	New York City
CLEARY, WILLIAM J.	'98	Brooklyn, N. Y.
CLOGHER, AMBROSE	'94	Hinsdale, Mass.
CLOGHER, WILLIAM E.	'94	"
COFFEY, REV. JNO., LL.D.	Causa honoris	Ottawa, Can.
COFFEY, REV. JAMES M.	'84	Providence, R. I.
COHALAN, DAN. F., LL.B.	'85	New York City
COHALAN, JOHN P., LL.B.	'93	"
COHALAN, M. J., A.M., LL.B.	'89	"
COHALAN, TIMOTHY E., A.M.	'97	"
COLEMAN, REV. THOS. J., A.M.	'71	Fairfield, Conn.

COLGAN, REV. EDW. J., A.M.	'87	Providence, R. I.
COLLINS, REV. JAMES A.	'90	Fordham, N. Y.
COLLINS, CORNELIUS A.	'94	W.N'wBrighton, N.Y.
CONATY, PETER P.	'97	New York City
CONCANNON, MALACHY J.	'83	Ireland
CONDON, RICHARD L., A.M.	'74	Yonkers, N. Y.
CONKLIN, WM. A., PH.D.	Causa honoris	New York City
CONLAN, JOSEPH J., F.S.C.	'81	"
CONLAN, REV. JOHN A.	'95	New Haven, Conn.
CONNELL, EDWARD J., M.D.	'95	New York
CONNOLLY, WILLIAM T.	'97	New York City
CONNOR, DANIEL P.	'94	Manchester, N. H.
CONNOR, FRANCIS J.	'94	"
CONSIDINE, REV. M. J., A.M.	'76	New York City
COONEY, JOHN H.	'70	Albany, N. Y.
CORCORAN, CHARLES H.	'82	New York City
*CORR, REV. JOHN J.	'70	"
CORR, NICHOLAS F.	'84	"
CORRIDAN, JAMES A.	'97	"
COSTAIN, J. E., A.M., LL.B.	'80	Chicago, Ill.
COSTELLO, CHARLES A.,	'97	New York City
COSTELLO, R. R., A.M., LL.B.	'95	"
COSTIGAN, GREG. J., A.M., M.D.	'88	"
COTTER, DANIEL J.	'98	Manchester, N. H.
COTTER, REV. JAMES H., A.M.	'77	Ironton, O.
COUCH, JOHN F., LL.B.	'85	Brooklyn, N. Y.
COUGHLIN, WILLIAM H.	'91	Providence, R. I.
COX, MATTHEW H.	'98	New York City
CRAIG, REV. FRANCIS B.	'89	Providence, R. I.
CRAIG, REV. JAMES A., S.T.B.	'91	Pawtucket, R. I.
*CRANE, CORNELIUS F.	'79	New York City
CREEDEN, REV. JOHN B., A.M.	'74	Sing Sing, N. Y.
CROAK, WILLIAM T., LL.B.	'95	Port Richmond, S. I.
CROSBY, REV. JAMES L., A.M.	'72	Nyack, N. Y.
CROWLEY, REV. COR. F. S.T.B.	'89	New York City
CRUMMEY, FRANCIS J., M.D.	'91	Albany, N. Y.
CUDDY, JAMES K., LL.B.	'93	Yonkers, N. Y.
*CULLEN, MICHAEL A.	'84	New York City
CUMMINGS, REV. FRANCIS P. J.	'94	"
CUMMINGS, REV. THOMAS C.	'95	"
*CUMMISKEY, REV. J. P., A.M.	'76	"
*CUNNINGHAM, CHRIST. P.	'70	Brooklyn, N. Y.
CUNNINGHAM, REV. M. J., S.J.	'78	Fordham, N. Y.

CUNNION, REV. D. C., A.M.	'80	New York City
CUNNION, REV. DUDLEY A.	'80	"
CUNNION, REV. M. A., A.M.	'74	"
CUNNION, R. F., A.M., M.D.	'89	Brooklyn, N. Y.
CURRAN, HON. JNO. J., A.M., Q.C., LL.D.	Causa honoris	Montreal, P. Q.
CURRAN, F. J., A.M., LL.B.	'90	"
CURRAN, LOUIS E.	'96	"
CURTIN, REV. D. F., A.M.	'78	West Albany, N. Y.
DALTON, JAMES F.	'97	Yonkers, N. Y.
DARDIS, JOHN M., LL.B.	'88	New York City
DAWKINS, REV. JOHN J., O.P.	'84	Somerset, O.
*DEERING, EDWARD M.	'71	New York City
DEERING, J. A., A.M., LL.B.	'67	"
*DEERING, W. A., A.M., LL.B.	'74	"
DEEVY, JOSEPH P.	'92	"
DE KONINCK, J. M., A.M., LL.B.	'68	"
*DELANEY, JAMES J., A.M.	'66	Brooklyn, N. Y.
DELANEY, JOHN M. T.	'98	New York City
DEMPSEY, REV. PATRICK B.	'81	Johnsonville, N. Y.
DEVEREAUX, J. R., A.M., M.D.	'89	Avondale, N. Y.
DEVINE, DENIS J.	'99	Brooklyn, N. Y.
*DEVINE, JOHN F.	'86	Providence, R. I.
*DEVELIN, CHARLES S., LL.B.	'82	New York City
DEVLIN, MICHAEL E., A.M.	'75	Westchester, N. Y.
DILLON, CHARLES J.	'98	New York City
DILLON, REV. JOHN J., A.M.	'77	Albany, N. Y.
DILLON, JOSEPH A., M.D.	'87	New York City
DOHERTY, THOMAS F.	'88	Troy, N. Y.
DOLAN, REV. JOHN W., A.M.	'78	Fonda, N. Y.
DONLIN, EDW. J., A.M., M.D.	Causa honoris	New York City
DONLIN, REV. GEO. T., A.M.	Causa honoris	Pawling, N. Y.
DONAHUE, FRANCIS M.	'91	New York City
DONAHUE, REV. J. P., A.M.	Causa honoris	Dobbs Ferry, N. Y.
DONAHUE, REV. JOSEPH P.	'90	New York City
DONAHUE, THOMAS I.	'88	"
*DONAHUE, N. M., A.M., M.D.	Causa honoris	"
DONNELLY, REV. PETER J.	'87	Hudson, N. Y.
*DONNELLY, JAMES E.	'91	New York City
DONNELLY, NICHOLAS A., LL.B.	'91	"
DONOHUE, REV. JOHN, A.M.	'78	Salem, N. Y.

DONOVAN, WM. F., A.M., M.D.	'87	New York City
DONOVAN, REV. WM. J., A.M.	'77	"
DOOLEY, REV. J. A., A.M., U.S.A.	'85	"
DOOLEY, JAMES P., F.S.C.	'93	Oakland, Cal.
DOOLEY, MARTIN F.	'96	Fishkill, N. Y.
DOOLEY, WILLIAM P. F.	'97	New York City
DORAN, EDWARD J.	'86	Cohoes, N. Y.
DORAN, REV. WILLIAM A., D.D.	'91	Newport, R. I.
DORN, JACOB J., LL.B.	'96	New York City
*DOUGHERTY, REV. M. J., A.M.	'72	"
DOWD, JOHN J.	'97	Albany, N. Y.
DOWLING, REV. A. A., A.M., S.T.L.	'87	Providence, R. I.
DOWLING, HON. V. J., A.M., LL.B.	'83	New York City
DOWNEY, THOMAS F.	'85	Brooklyn, N. Y.
DOYLE, JOHN F.	'97	Constableville, N. Y.
DOYLE, REV. WALTER A.	'94	Chadwicks, N. Y.
DRISCOLL, REV. J. T., A.M., S.T.L.	'85	Watervliet, N. Y.
DRISCOLL, REV. TIMOTHY L.	'89	New York City
DROOGAN, C. J., A.M., LL.B.	'88	Albany, N. Y.
DRUM, THOMAS A.	'83	Jersey City, N. J.
DUANE, JOHN F., A.M., LL.B.	'95	Brooklyn, N. Y.
DUFFY, REV. JOHN F., A.M.	'76	New York City
DUFFY, REV. MICHAEL J.	'85	"
DUGGAN, MATTHEW J.	'99	"
DUNN, EDWARD A.	'84	"
*DUNNE, JOHN L., A.M.	'77	Troy, N. Y.
DUNN, REV. JOHNS., J.C.B., S.T.L.	'91	Westerly, R. I.
DUNPHY, EDWARD P.	'92	Newburgh, N. Y.
DWYER, REV. AMBROSE M.	'90	Syracuse, N. Y.
DWYER, WILLIAM M.	'99	Utica, N. Y.
EGAN, REV. WILLIAM P.	'93	New York City
EILENBECKER, PETER A., F.S.C.	'93	"
ELLIOT, GEORGE A., A.M., M.D.	'87	"
ENGELHARDT, FRANCIS G., A.M., M.D.	'89	Syracuse, N. Y.
ETTINGER, WM. L., A.M., M.D.	'81	New York City
FAGAN, HON. EDW. F., A. M., PH.D.	'69	Maspeth, N. Y.

FAGAN, REV. F. M., A.M.	'83	Whiteport, N. Y.
FAHEY, REV. JOHN T.	'90	North Easton, Mass.
FARLEY, EDWARD J., LL.B.	'95	New York City
FARLEY, JOSEPH A., LL.B.	'96	"
FARR, WM. L., F.S.C.	'93	Buffalo, N. Y.
FARRAR, REV. J. W.	'91	Oswego, N. Y.
*FARRELL, BARTHOLOMEW J., A.M.	'78	New York City
FARRELL, REV. WILLIAM B.	'87	Hempstead, N. Y.
*FARRELL, REV. WILLIAM A., A.M., LL.D.	'71	Tarrytown, N. Y.
FARRELL, REV. JOSEPH A.	'95	New York City
FARRELLY, REV. THOS. B.	'92	"
FAUST, AMBROSE J., PH.D., LL.D.	Causa honoris	Washington, D. C.
FERDINAND, JNO. E., A.M., M.D.	'68	New York City
FERNANDEZ, JOSE F., M.D.	'83	"
FERRER, J. M., A.M., PH.D., M.D.	'76	"
*FERRY, CHARLES A.	'93	Newburgh, N. Y.
FINLEY, WILLIAM J., A.M., LL.B.	'85	New York City
FINN, LAWRENCE B., LL.B.	'67	Cohoes, N. Y.
*FISHER, JAMES B., A.M.	'72	New York City
FITZGERALD, HON. JOHN J., A.M., LL.B.	'91	Brooklyn, N. Y.
FITZPATRICK, FRANCIS J.	'82	New York City
FITZSIMMONS, REV. JAMES F., A.M., S.T.L.	'85	Dunwoodie, N. Y.
FITZSIMMONS, THOMAS J.	'87	New York City
FLAHERTY, REV. E. P., S.T.L.	'92	Brooklyn, N. Y.
FLANAGAN, JOHN H., LL.B.	'92	Providence, R. I.
FLANAGAN, WM. F., M.D.	'95	"
FLANNELLY, REV. J. F., A.M.	Causa honoris	Dobbs Ferry, N. Y.
FLOOD, REV. THOS. F.	'87	New York City
*FLYNN, LUKE M., A.M., LL.B.	'79	"
FLYNN, REV. THOMAS.	'93	Utica, N. Y.
FLYNN, WILLIAM H.	'97	Hartford, Conn.
FOGARTY, MICHAEL E.	'95	New York City
*FOY, REV. WM. J., A.M.	'78	"
GALLAGHER, EDWARD M.	'85	Sing Sing, N. Y.
GALLAGHER, FRANCIS C.	'80	Brooklyn, N. Y.
GALLAGHER, J. T., A.M., M.D.	'89	Brooklyn, N. Y.
GALLIGAN, REV. CHAS. J.	'84	Marietta, Pa.

GALWEY, THOMAS F., PH.D.	Causa honoris	New York
GANNON, JOHN F.	'99	Providence, R. I.
GARDINER, REV. WM. A.	'87	Gravesend, N. Y.
GARDNER, REV. JOHN F.	'85	Attica, N. Y.
GARLAND, H. L., A.M., LL. B.	'86	Opelousas, La.
GARLAND, ROBERT E.	'87	Opelousas, La.
GARNETT, THOMAS	'70	New York City
GELT, GABRIEL E.	'82	Havana, Cuba
GIBLIN, JAMES M.	'88	New York City.
GILLIGAN, REV. JOHN E.	'94	Valley Falls, N. Y.
GLEASON, EDWIN S., LL. B.	'96	New York City
GLEESON, WILLIAM E.	'81	Pittsburg, Pa.
GLEESON, JAMES J., M.D.	'94	New Haven, Conn.
GLENNON, JOSEPH J.	'97	Albany, N. Y.
GLINNEN, WILLIAM J., M.D.	'94	Brooklyn, N. Y.
*GLOVER, ROBERT O., A.M.	'66	New York City
GLOVER, F. R., A.M., M.D.	Causa honoris	Mount Vernon, N. Y.
GOGGIN, REV. JAMES E.	'86	New York City
GOVERN, EDWARD J., C. E.	'93	"
GRADY, JAMES J., A.M. LL.B.	'73	"
*GRADY, REV. JOHN M., A.M.	'69	"
GRADY, HON. T. F., A.M.	Causa honoris	"
GRANT, WILLIAM E. A.	'98	Brooklyn, N. Y.
GREANEY, JOHN J.	'98	Ireland
GREELEY, MICHAEL N.	'88	New York City
GREEN, REV. JOHN J., A.M.	'79	Hartland, Ill.
GREENE, JAS. B., A.M., LL.B.	'89	Washington, D. C.
GRIFFIN, F. J., A.M., LL.B.	'91	New York City
GRIFFITH, WILLIAM H.	'80	"
GROVE, J. H., M.D., LL.D.	Causa honoris	Philadelphia, Pa.
GUINON, REV. WM. J., D.D.	'82	New York City
HAGGERTY, JOHN J., F.S.C.	'93	"
HAGGERTY, TIMOTHY J.	'88	Brooklyn, N. Y.
HAGGERTY, WILLIAM F.	'79	New York City
HAHN, GEORGE V., F.S.C.	'93	"
HALL, REV. JAS. J., A.M.	'78	South Orange, N. J.
HALPIN, P. J., A.M., LL.B.	Causa honoris	New York City.
*HALLORAN, REV. ED. J.	'91	"
HANLEY, PETER A.	'99	Providence, R.
HANNIGAN, REV. F. E., A.M.	'79	Chester, N. Y.
HARRINGTON, REV. JNO. J.	'90	New York City
HASSETT, ED., A.M., LL.B.	Causa honoris	"

HAVARD, V., M.D., U.S.N.	'68	New York City.
*HAWKINS, WILLIAM J.	'85	Red Bank, N. J.
HAYES, REV. ALBERT J.	'88	Syracuse, N. Y.
HAYES, D. JAMES, M.D.	'91	Syracuse, N. Y.
HAYES, REV. JAS. W., A.M.	'71	New Brunswick, N. J.
HAYES, REV. P. J., A.M. S.T.B.	'88	New York City
HEAFY, REV. T. J., A.M., S.T.B.	'86	"
HEFELE, GEORGE H., C.E.	'92	"
HENRY, REV. EDWARD J.	'95	"
HENRY, WALTER G.	'98	"
*HEROLD, J. B., F.S.C., A.M.	'76	"
HEROLD, JUS., A.M., M.D.	Causa honoris	"
HICKEY, P. VALENTINE	'95	Brooklyn, N. Y.
*HIGGINS, REV. ED. J.	'87	Albany, N. Y.
*HIGGINS, REV. J. C., A.M.	'79	Syracuse, N. Y.
HOCTOR, JAMES E., LL.B.	'85	New York City
HOLLAND, REV. COR. J.	'95	Fall River, Mass.
HOPKINS, REV. JOSEPH A.	'87	Oswego, N. Y.
HOPKINS, OTIS A., A.M.	'75	Binghamton, N. Y.
HORAN, REV. MICHAEL F.	'88	New York City
*HOWARD, REV. J. J., A.M.	'77	Hudson, N. Y.
HUGHES, J. J., A.M., LL.B.	'91	New York City
HUGHES, WM. C., LL.B.	'96	"
HUNT, JOSEPH L.	'98	"
HURLEY, DANIEL J.	'83	Troy, N. Y.
*HURLEY, REV. J. A., A.M.	'71	Fishkill, N. Y.
*IRVING, REV. THOMAS H.	'80	Sing Sing, N. Y.
JORDAN, JOHN T.	'98	Port Chester, N. Y.
KANE, JOS. J., A.M., M.D.	'89	Buffalo, N. Y.
*KAVANAGH, DANIEL A.	'81	Cincinnati, O.
KEAN, REV. JOHN J., LL.D.	'66	New York City
KEARNEY, ALFRED A.	'79	"
KEARNEY, CHAS. R., LL.B.	'82	"
KEARNEY, JOHN J., LL.B.	'92	"
KEEFE, REV. R. J., A.M.	'76	Tomkin's Cove, N. Y.
KEENAN, ALBERT J.	'97	Brooklyn, N. Y.
KEENAN, J. P., A.M., LL.B.	'91	New York City
KEENAN, REV. T. J., A.M.	'85	"
KEENAN, HENRY C., M.D.	'92	Brooklyn, N. Y.

KELIHER, REV. MICH'L F.	'87	New York City
KELLY, REV. COR. S.	'84	Providence, R. I.
KELLY, ED. H., A.M. LL.B.	'85	New York City
KELLY, FRANCIS R.	'94	"
KELLY, REV. JAS. J., A.M.	'77	"
KELLY, REV. JAS. S., A.M.	'71	"
*KELLY, THEODORE S.	'71	Brooklyn, N. Y.
KELLY, REV. THOMAS A.	'90	Fall River, Mass.
KELLY, THOMAS B., C.E.	'96	New York City
KENNAH, JAMES B., LL.B.	'85	Albany, N. Y.
*KENNEDY, JOHN J.	'80	New York City
KENNEDY, LEO E.	'95	Brooklyn, N. Y.
KENNEY, JOHN L.	'99	New York City
*KENNY, REV. J. H., A.M.	'83	New York City
KERENS, R. JR., A.M., LL.B.	'95	St. Louis, Mo.
KERWIN, REV. WILLIAM T.	'93	Bayside, L. I.
KIFFEN, JOHN E.	'99	Green Island, N. Y.
KING, THOMAS J.	'99	Providence, R. I.
KIRBY, REV. WILLIAM S.	'85	Southampton, N. Y.
*KOINE, CHARLES M.	'85	Buffalo, N. Y.
KRACHT, G. W., A.M., LL.B.	Causa honoris	New York City
KUERZI, FRANCIS J., LL.B.	'96	"
LALLY, MICHAEL J.	'90	New York City
*LALOR, J. L., A.M., LL.B.	Causa honoris	Milwaukee Wis.
LANE, T. R., A.M., LL.B.	'73	New York City
*LANE, WILLIAM E.	'77	Hudson, N. Y.
LANE, REV. F. A., S.T.L.	'94	Chicopee, Mass.
LARKIN, JOHN H., M.D.	'91	New York City
LARKIN, JOHN T.	'99	"
LARKIN, WM. R., A.M., M.D.	'79	"
LARKIN, JAMES P., LL.B.	'94	Utica, N. Y.
LASTRAPES, BRONIER H.	'86	Opelousas, La.
LASTRAPES, W. R., A.M., M.D.	'87	Opelousas, La.
LAVELLE, REV. FRANCIS E., D.C.L., S.T.D.	'90	New York City
LAVELLE, REV. MICHAEL J., A. M., LL.D.	'73	"
LEDDIN, MICHAEL J.	'83	"
LENES, REV. FRANCIS B.	'80	Tivoli, N. Y.
LENNON, REV. J. J., A.M.	'86	New York City
LEON, ALEXIS, A.M., M.D.	'75	"

LINDSMAN, REV. JOHN L.,		
S.T.B. . . . .	'89	Oswego, N. Y.
LOFTUS, JAMES F. . . .	'85	Buffalo, N. Y.
LOGUE, DANIEL F. . . .	'98	Manchester, N. H.
LONARGAN, REV. JOHN P.,		
A M. . . . .	'80	Hyde Park, N. Y.
LONARGAN, REV. M. J., .	'84	New York City
LOPEZ, MICHAEL S. . . .	'97	Brooklyn, Y. N.
LOUGHRAN, REV. THOS. J.,		
A.M. . . . .	'83	Taunton, Mass.
LOUGHRAN, WILLIAM H.,		
A.M., LL.B. . . . .	'82	Brooklyn, N. Y.
LOUGHRAN, THOS. V., LL.B.	'95	New York City
LOWNEY, REV. DENIS M., .		
A.M., S.T.B. . . . .	'84	Providence, R. I.
LYNCH, JOHN E. . . . .	'82	Haverstraw, N. Y.
LYNCH, REV. THOS. F., A.M.,	'66	New York City
LYNCH, JAMES C. . . . .	'94	Ogdensburgh, N. Y.
LYONS, FRANCIS J. . . .	'83	Evergreen, N. Y.
McAVOY, FRANCIS S. . . .	'81	W'sh'gt'n H'ghts, N. Y.
McAVOY, JOHN V., LL.B. .	'97	New York City
McAVOY, THOMAS F. . . .	'96	"
McCABE, EDW. M., A.M., M.D.	'84	New Haven, Conn.
McCABE, JAMES J. . . . .	'82	Green Ridge, S. I.
McCABE, REV. MICHAEL J. .	'89	Fall River, Mass.
*McCABE, REV. PATRICK H.,		
A.M. . . . .	'75	Haverstraw, N. Y.
McCAFFERTY, JOHN A., M. D.	'95	New York City
McCARTHY, REV. DANIEL J. .	'90	Brooklyn, N. Y.
McCARTHY, REV. F. P. . . .	'83	Providence, R. I.
McCARTHY, T. A., LL.B. . .	'95	New York City
McCLANCY, REV. JOHN P.,		
A.M., LL.D. . . . .	'66	Middletown, N. Y.
McCLOSKEY, JOSEPH A., LL.B.	'95	Wappinger's Falls, N. Y.
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LL.B. . . . .	Causa honoris New York City	
McCLUSKEY, REV. THOS. J.,		
A.M., S.J. . . . .	'74	New York City
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A.M. . . . .	'80	Jersey City, N. J.
McCORRY, REV. P. J., C.S.P.	'96	San Francisco, Cal.

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M.D. . . . .	'86	Providence, R. I.
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McFADDEN, GEORGE J. .	'72	New York City
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McGOLDRICK, REV. EDW. J.,		
A.M. . . . .	'77	Brooklyn, N. Y.
McGOLDRICK, EDW. V. .	'98	"
McGOLDRICK, M., A.M., LL. B. Causa honoris		"
McGOLDRICK, PETER J. .	'98	"
McGOLDRICK, THOMAS A., M.D.	'93	"
McGOVERN, MATTHEW .	'97	Ireland
McGOVERN, REV. PETER P. .	'90	Brooklyn, N. Y.
*McGOVERN, TERRENCE A. .	'81	New York City
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*McKENNA, EDWARD F. .	'83	Albany, N. Y.
McKENNA, JOHN B., A.M., M.D.	'84	Providence, R. I.
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O'NEIL, FRANCIS J., A.M.	'75	Albany, N. Y.
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O'RORKE, JOHN J., M.D.	'74	"
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PECH, JAMES, Ph.D., LL.D. Causa honoris		"
PELTIER, PAUL, A.M. Causa honoris		St. Louis, Mo.
PETRIE, ALBERT W.	'90	New York City
PFOHL, ED. N., A. M., M.D.	'85	Buffalo, N. Y.
PHELAN, JAMES T., C. E.	'97	New York City
PHELAN, THOMAS F.	'88	Troy, N. Y.
PHELAN, REV. THOMAS P.	'91	New York City
PHELAN, JOHN J., LL.B.	'95	"

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PRENDERGAST, REV. ED. R., A. M. . . . .	'79	Boonville, N. Y.
PRIAL, JOHN J. . . . .	'90	New York City
PURCELL, REV. W. A., A.M. .	'78	Cliffside, N. J.
PYNE, PATRICK H., A.M., M.D.	Causa honoris	Yonkers, N. Y.
QUIGLEY, JOHN J., A.M., M.D.	'81	New York City
QUINN, REV. DANIEL A. . . .	'91	"
QUINN, DAVID I. . . . .	'99	Providence, R. I.
QUINN, DENIS J., A.M., LL.B.	'86	New York City
*QUINN, PIERCE J., A.M., LL.B.	'79	"
QUINN, PETER J. . . . .	'86	Pawtucket, R. I.
QUINN, REV. WM., A.M. . . .	'87	New York City
QUINN, WILLIAM V. . . . .	'97	Utica, N. Y.
RAFFERTY, PETER P., M.D. . .	'94	Highlands, N. J.
REILLY, CHARLES B. . . . .	'89	Providence, R. I.
REILLY, REV. T. J., A.M. . .	'77	"
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RENGEL, REV. EDWARD J., S.T.B.	'88	East Aurora, N. Y.
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*RIGNEY, REV. J. C., A.M. . .	'76	Fordham, N. Y.
RIORDAN, HON. DANIEL J. . .	'90	New York City
ROCHE, DAVID P. . . . .	'98	"
ROCHE, NICHOLAS J. . . . .	'84	"
ROCHE, WILLIAM, A.M. . . .	Causa honoris	Troy, N. Y.
ROCHE, WILLIAM J. . . . .	'99	New York City
*RODGERS, DOMINICK . . . .	'83	Philadelphia, Pa.
RONAN, JOSEPH F. . . . .	'86	New York City
RONAYNE, JOHN A., M.D. . . .	'93	Worcester, Mass.
RONAYNE, REV. PATRICK T. . .	'85	New York City
ROWAN, JOHN P., M.D. . . . .	'95	Brooklyn, N. Y.
*RUHL, ANTHONY G. . . . .	'95	New York City
RYAN, JOHN H., A.M. . . . .	'86	"
RYAN, MOST REV. P. J., LL.D.	Causa honoris	Philadelphia, Pa.
RYBACK, VICTOR F. . . . .	'94	New York City
SAIZAN, JOS. P., A.M., M.D. .	'86	New Orleans, La.
SALTER, REV. JOHN B., A.M.	'69	Tuckahoe, N. Y.
SANDER, REV. GEO. D., A.M.	'84	Brooklyn, N. Y.
SEYMOUR, F. L. A., C.E., M.S.	'94	New York City
SHALLEW, WILLIAM J. . . . .	'93	Yonkers, N. Y.

*SHANDLEY, EDWARD F.	'88	New York City
SHANDLEY, THOMAS B.	'83	"
SHAW, JAMES J.	'83	Yonkers, M. Y.
SHEA, DENIS L., A.M., M.D.	'87	New York City
SHEA, JOHN J., M.D.	'93	"
SHEA, MICHAEL F.	'98	Manchester, N. H.
SHEEHAN, WM. J., M.D.	'92	Easthampton, N. Y.
SHEIL, JAMES J.	'97	New York City
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DUNPHY, RICHARD J.	'79	New York City
DURIO, CRYIACUS	'84	Louisiana
EGAN, DANIEL F.	'90	New York City
EILBACHER, AUGUST	'95	Elizabeth, N. J.
ELLIOT, WARREN	'74	Cincinnati, O.
ENTWISTLE, JILSON	'71	Washington, D. C.
ESCALANTE, NICHOLAS	'88	Merida, Yucatan
FAGAN, JOSEPH	'74	Brooklyn, N. Y.
FAY, JOSEPH	'76	New York City
FINEGAN, JAMES E.	'99	Haverstraw, N. Y.
FINNEGAN, JOHN	'77	Brooklyn, N. Y.
FITZGERALD, MICHAEL	'78	Troy, N. Y.
FITZPATRICK, WM. J.	'99	Bedford Park, N. Y.
FLANAGAN, JOSEPH P.	'98	New York City
FLYNN, JOHN	'75	"
FOX, PATRICK	'76	"
GABRIELS, PAUL J.	'99	Watervliet, N. Y.

GALLAGHER, VINCENT J.	'85	.	Brooklyn, N. Y.
GARVEY, HENRY S.	'99	.	Adams, Mass.
GAUTIER, LOUIS P.	'92	.	New York City
GIRALDI, PHILIP E.	'93	.	"
GLENNAN, JAMES A.	'79	.	"
GOODWIN, WILLIAM J.	'96	.	"
GONZALES, MIGUEL P.	'88	.	La Paz, Mexico
GONZALES, PABLO M.	'89	.	"
GRAHAM, JOHN MARTIN	'93	.	New York City
GRIFFIN, JOHN	'72	.	San Francisco, Cal.
HALL, ROBERT L.	'78	.	Jersey City, N. J.
HAMILTON, WALTER S.	'98	.	New York City
HARDEY, ROBERT O.	'84	.	Chataignier, La.
HARDEY, THOMAS S.	'86	.	Chataignier, La.
HEATON, CHARLES A.	'96	.	New York City
HENRY, MICHAEL F. J.	'97	.	Brooklyn, N. Y.
HEROLD, JUSTIN	'77	.	New York City
HOEFT, FREDERICK	'76	.	Brooklyn, N. Y.
HOGAN, CHARLES J.	'95	.	Goshen, N. Y.
HOWE, WILLIAM F.	'87	.	New York City
HEUBENER, EDWARD F. X.	'97	.	West Hoboken, N. J.
HYLAND, FRANCIS X.	'96	.	New York City
JOHNSTON, BERNARD	'75	.	Manhat'nville, N. Y.
JUDGE, HENRY J.	'79	.	Albany, N. Y.
*KEARNEY, ARTHUR J.	'77	.	New York City
KEELER, WILLIAM.	'74	.	"
KELLY, JOHN J.	'80	.	Syracuse, N. Y.
KENNELLY, WILLIAM L.	'78	.	New York City
KILLORAN, BERNARD	'75	.	"
KILLORAN, JAMES M. J.	'96	.	"
LALOR, CHARLES H.	'86	.	New York City
LARKIN, DR. WILLIAM J.	'75	.	"
LEAVEY, JAMES B.	'88	.	"
LEES, JOSEPH K.	'80	.	"
LEIFELS, JOHN	'76	.	Utica, N. Y.
LELLIS, WILLIAM J.	'95	.	New York City
LENAHAN, MICHAEL F.	'93	.	"
LINDENFIELD, CHARLES F.	'89	.	Los Angeles, Cal.

LYNCH, BERNARD . . .	'75 .	New Jersey
LYNCH, THOMAS . . .	'80 .	Haverstraw, N. Y.
MACDONA, HENRY C., I.L.B. . .	'71 .	New York City
MADDEN, GEORGE P. . .	'88 .	Kingston, N. Y.
MAGUIRE, BERNARD J. . .	'91 .	Haverstraw, N. Y.
MANGIN, THOMAS A. . .	'90 .	New York City
McALEER, JAMES E. . .	'85 .	"
McANDREWS, PATRICK H. . .	'87 .	Hawley, Pa.
McARTHUR, GEORGE F. . .	'95 .	New York City
*McAVOY, THOMAS F. . .	. . .	"
McCARTHY, ALFRED . . .	'84 .	New Haven, Conn.
McCARTHY, CHARLES R. . .	'88 .	"
McCARTHY, FRANCIS E. . .	'89 .	Boston, Mass.
*McCARTHY, THOMAS A. . .	. . .	New York City
*McCROHAN, MICHAEL F. . .	'74 .	Savannah, Ga.
McDONALD, EDWARD J. . .	'91 .	New York City
McGOVERN, NEWTON A. . .	'97 .	"
McGUCKIN, JOHN H. . .	'88 .	"
McKEON, EDWARD T. . .	'94 .	"
McMAHON, EDWARD J. . .	'99 .	"
McMAHON, RODERICK J. . .	'99 .	"
McMANIS, JAMES P. . .	'71 .	Rochester, N. Y.
McMANUS, JAMES . . .	'74 .	Brooklyn, N. Y.
McQUADE, EDWARD A. . .	'93 .	New York City
McQUADE, FRANCIS A. . .	'99 .	"
MEATH, THOMAS . . .	'71 .	Memphis, Tenn.
MEERT, FREDERICK W. . .	'90 .	New York City
MEERT, VICTOR F. . .	'91 .	"
MESA, ANTONIO . . .	'74 .	Havana, Cuba
MILLER, CHARLES J. . .	'85 .	New York City
MILLER, GEORGE E. . .	'87 .	"
MOCLAIR, WILLIAM J. . .	'98 .	"
MOLLOY, THOMAS J. . .	'96 .	"
MONAHAN, JOHN . . .	'74 .	"
MOONEY, FRANCIS J. . .	'80 .	Rondout, N. Y.
MOORE, WILLIAM A. . .	'94 .	New York City
*MORLOT, GEORGE M. . .	'86 .	Paterson, N. J.
MORRISSEY, PATRICK M. . .	'90 .	Haverstraw, N. Y.
MULDOON, JOHN P. . .	'83 .	New York City
MURPHY, JOSEPH P. . .	'88 .	State Line, Mass
NAUGHTON, WILLIAM M. . .	'94 .	Oceanic, N. J.

NEVILLE, JAMES J.	'95	New York City.
NORRIS, ALFRED	'72	Cincinnati, O.
O'CONNELL, TIMOTHY J.	'98	New York City
O'CONNOR, ALOYSIUS G.	'94	Glens Falls, N. Y.
O'DONOVAN, ALFRED J.	'98	New York City
O NEILL, THOMAS J.	'92	"
O'REILLY, MARCUS T.	'98	Kinderhook, N. Y.
O'SHEA, THOMAS E.	'86	New York City
O'SULLIVAN, DENIS E.	'92	"
OSBORNE, AUGUSTINE	'97	"
PIEDRA. CLAUDIO J.,	'99	Mantanzas, Cuba
POMMERER, WILLIAM C.	'91	New York City
PRESTON, JOSEPH E.	'83	Rochester, N. Y.
PHILLIPS, JAMES J.	'92	New York City
QUINN, JOHN J.	'89	New York City
RAMELLA, PABLO	'77	Caracas, Venezuela
REGAN, JAMES	'84	New York City
REDDING, WILLIAM J.	'79	"
REILEY, JAMES	'76	"
ROCHE, EDWARD B.	'72	"
ROGERS, JOHN	'74	Richmond, Va.
RONAN, JOHN	'74	Albany, N. Y.
*RONAN, JAMES B.	'77	"
RYAN, JOSEPH P.	'98	New York City
RYAN, MICHAEL F.	'96	"
SAIZAN, JOSEPH P., M.D.	'83	New Orleans, La.
SCHALL, XAVIER	'71	Philadelphia, Pa.
SCOTT, JAMES	'71	Pittsburgh, Pa.
SCOTT, JOHN J.	'79	Cohoes, N. Y.
SHANKEY, JOHN	'75	Haverstraw, N. Y.
SHEA, CORNELIUS E.	'88	New York City
SHEEHAN, EDW. A.	'87	Easthampton, Mass.
SHERIDAN, PHILIP H.	'84	New Jersey
SMITH, JAMES T.	'84	"
SMITH, RICHARD J.	'95	New York City
SUAREZ, ANTONIO M.	'90	Havana, Cuba

VANVALKENBURGH, G. B.	'90	.	Lexington, Ky.
VINDOSOLA, JOSE Y.	'78	.	Havana, Cuba
VINCENT, ARSENE P.	'90	.	Versailles, France
*WALLACE, JAMES A.	'79	.	Albany, N. Y.
WALSH, MILTON C.	'99	.	New York City
WARD, JOHN E.	'91	.	Yonkers, N. Y.
WATERS, GEORGE W.	'84	.	New York City
*WATERS, FRANCIS D.	'78	.	Rochester, N. Y.
WEIS, FREDERICK J.	'86	.	Waterbury, Conn.
WELCH, EDWARD F.	'93	.	Portsmouth, N. Y.
WESTON, JOSEPH J.	'91	.	New York City
WHITE, FRANCIS	'77	.	Baltimore, Md.
WILLARD, WALTER J.	'86	.	New York City
WYNN, GEORGE H.	'97	.	"
YTURIE, EMANUEL	'76	.	Havana, Cuba

## FORM OF BEQUEST TO MANHATTAN COLLEGE.

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In the hope that friends of the College and of Christian education will remember the needs of the College, the following form of bequest is appended .

*I give and bequeath to Manhattan College, New York City,  
.....dollars, \*to be appropriated by the Trustees for  
the benefit of the College, in such manner as they shall think will be  
most useful.*

---

\*or, "to be added to its Endowment Fund."

or, "to be added to its Scholarship Fund."

or, "to be added to its Prize Fund."

# INDEX.

	PAGE.
OFFICERS OF THE COLLEGE . . . . .	2
CALENDAR 1899-1900 . . . . .	3
GENERAL STATEMENT . . . . .	5
Courses . . . . .	5
Methods . . . . .	5
Pedagogy . . . . .	6
Discipline . . . . .	7
Library . . . . .	7
Museum . . . . .	7
Affiliated Institutions . . . . .	8
COLLEGE DEPARTMENTS . . . . .	9
PRIZES . . . . .	10
Scholarship Foundations . . . . .	10
FEES . . . . .	11
ARTS DEPARTMENT . . . . .	12
Admission . . . . .	13
Certificates . . . . .	15
Classical Course . . . . .	16
PEDAGOGY . . . . .	18
State Certificate . . . . .	18
Courses . . . . .	18
COLLEGE BY-LAWS (EXTRACT) . . . . .	19
Examinations . . . . .	19
Theses . . . . .	20
Degrees . . . . .	20
SCIENCE DEPARTMENT . . . . .	21
Courses . . . . .	21
Admission . . . . .	23
Regents' Certificate . . . . .	24
Civil Engineering . . . . .	25
Electrical Engineering . . . . .	27
Architecture . . . . .	29
English-Science . . . . .	31

BY-LAWS . . . . .	34
Examinations . . . . .	34
Vacation Work . . . . .	34
Field Work . . . . .	34
Excursions . . . . .	35
Theses . . . . .	35
HIGHER DEGREES . . . . .	36
Master's Degree . . . . .	36
Degree of Civil Engineer . . . . .	36
Courses of Study—Arts . . . . .	36
Courses of Study—Science . . . . .	37
COURSES OF STUDY . . . . .	39
Architecture . . . . .	40
Astronomy . . . . .	41
Chemistry . . . . .	41
Drawing . . . . .	42
Electricity . . . . .	43
Engineering . . . . .	44
English . . . . .	46
French . . . . .	48
Geology . . . . .	49
German . . . . .	49
Greek . . . . .	50
History . . . . .	51
Latin . . . . .	52
Mathematics . . . . .	53
Mechanics . . . . .	53
Pedagogy . . . . .	54
Philosophy . . . . .	56
Physics . . . . .	57
ACADEMIC DEPARTMENT . . . . .	59
Admission . . . . .	60
Examinations . . . . .	60
Reports . . . . .	61
Home Study . . . . .	61
Attendance . . . . .	62
Courses . . . . .	63
SPECIAL LATIN CLASS . . . . .	65
ACADEMIC COURSES IN FRENCH . . . . .	66
ACADEMIC COURSES IN GERMAN . . . . .	67
COMMERCIAL DEPARTMENT . . . . .	69
Statement . . . . .	70
Courses . . . . .	72

COLLEGE SOCIETIES . . . . .	76
The Alumni Society . . . . .	76
Class Societies . . . . .	77
LECTURES . . . . .	80
CLASS EXERCISES . . . . .	81
COMMENCEMENT EXERCISES . . . . .	90
Degrees Conferred . . . . .	91
Purses and Prizes . . . . .	94
STUDENTS' ROLL . . . . .	96
GRADUATE LIST . . . . .	104















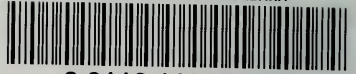






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